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प्राधिकार से प्रकाशित
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No. 48] NEW DELHI, SATURDAY, NOVEMBER 27, 1976 (AGRAHAYANA 6, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 27th November 1976

SPECIAL NOTICE

Patent Office Journal 1961—1973—Vol. 11 has been published and the same is now on sale with the Department of Publications, 'C' Block, Unit No. 21, State Emporia Buildings, Baba Kharak Singh Marg, New Delhi-110001, at the following price per copy :—

Patent Office Journal.

1961—1973—Vol II—Price : Inland—Rs. 337.00

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CORRIGENDA

(1)

In the Gazette of India, Part III, Section 2, dated the 11th September, 1976, under the heading "Complete specification accepted"—

(1)

In page 752 column 1, against No. 140071, in Class—
for Class 39G. I.C.-01F 7/54

read Class 39G. I.C.-C01F 7/54.

(2)

In page 753, column 2, line 5, against No. 140078—
for surved

read curved

347 GU/76

(3)

In page 755, column 2, line 22, against No. 140088—
for or benzyl; tituted
read phenyl substituted

(4)

In page 759, column 2, against No. 140107, in class—
for Class 194C6C—F2IV 19/00
read Class 194C6C—I.C.-F2IV 19/00

(5)

In page 760, column 1, Group 2, line 3, under the heading
"Printed specification published"—
for No. 134285
read No. 134295

(2)

In the Gazette of India, Part III, Section 2, dated the 11th September 1976, in page 760, column 1 under the heading
"Renewal fees paid", after No. 112711—
delete No. 112777 and insert No. 112877.

(3)

In the Gazette of India, Part III Section 2, dated the 18th September 1976, under the heading "Complete specification accepted".

(1)

In page 763, column 2, against No. 140110, in applicant,
line 2—

for KERESYTURI read KERESZTURI

(2)

In page 765, column 1, line 7, against No. 140116—
for Patent Office, Calcutta,

(909)

read Patent Office, Bombay Branch.

(3)

In page 765, column 2, against No. 140120, in formula I—
for R *read* R₁

(4)

In page 767, column 1, against No. 140127, in Inventor—
for NICOLIS *read* NICOLLS

(5)

In page 767, column 2, against No. 140128—
for Convention date October 20, 1974.
read Convention date October 20, 1973.

(6)

In page 769, column 1, against No. 140139—
for Class 55E₂+E₄ & 60X2a+60X2c. I.C.-61K 21/00
read Class 55E₂+E₄ & 60X2a+60X2c. I.C.-A61K 21/00.

(7)

In page 771, column 1, against No. 140150, in Applicant—
for AZION *read* AZIONI.

(8)

In page 771, column 2, against No. 140152, in line 2—
for ONTPUT *read* OUTPUT

(9)

In page 772, column 2, against No. 140155—
for Class 84B & 140B₂. I.C.-C01h 1/24
read Class 84B & 140B₂. I.C.-C01L 1/24

and

In Applicant, line 1—
for ING. *read* INC.

(4)

In the Gazette of India Part III, Section 2 dated the 18th September 1976 in page 774, under the heading "Amendment Proceedings under Section 57" in line 6 of the entry against application No. 127205, in column 2, for the word "combattin" *read* "combatting".

(5)

In the Gazette of India, Part III, Section 2, dated the 18th September, 1976, in page 774, column 1 under the heading "Renewal fees paid", after No. 117779—

delete No. 17785 and *Insert* No. 117785

(6)

In the Gazette of India, Part III, Section 2 dated the 18th September 1976—

at page 775, column 2 under the heading "Name Index etc."
For June *read* July

For No. 142/Bom/76 appearing at the end of the heading
read No. 142/Mas/76

For Boliden Aktiebolaf *read* Boliden Aktiebolag

at page 776, column 1

Against Bunker Ramo Corpn.—*For* No. 134/Cal/76
read No. 1345/Cal/76

Against Chong Min Ho—*For* No. 1770/Cal/76
read No. 1170/Cal/76

at page 777, column 1

For Kyowa Hakko Gogyo Co. Ltd.

read Kyowa Hakko Kogyo Co. Ltd.

at page 777, column 2

For Naidu Govindarajulu, A.G.

read Naidu Govindarajulu, A.G.

For Obermaier do Brasil S/A Equipments Industriais

read Obermaier do Brasil S/A Equipments Industriais.

at page 778, column 1

For Sebastian Messerschmidt Spezialmaschinefabril

read Sebastian Messerschmidt Spezialmaschinenfabrik

at page 779, column 1

Against UOP Inc. *For* No. 1239/Cal/76

read No. 1299/Cal/76

For Vsesoiuznij Nauchnij Issledovatel'ski Institut

PO pererabotke Nefti Vniini

read Vsesoiuznij Nauchnij Issledovatel'ski Institut PO pererabotke Nefti Vniini.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

21st October 1976

1920/Cal/76. Sadhan Kumar Niyogi. Flying and flapping toy bird.

1921/Cal/76. Nordmark-Werke Gesellschaft Mit Beschränkter Haftung Hamburg. Process for the production of new imidazole derivatives.

23rd October 1976

1922/Cal/76. Westinghouse Electric Corporation. A method of producing homogeneous sintered ZnO non-linear resistors.

1923/Cal/76. Csapeli Femmu. Process for the production of bands or sheets of isotropic mechanical properties from copper or copper alloys.

1924/Cal/76. Imperial Chemical Industries Limited. A method of preparing an oxychlorination catalyst composition and a catalyst composition so prepared. (January 9, 1973) [Divisional date December 31, 1973].

1925/Cal/76. Carrier Corporation. Alcohol circulation system.

25th October 1976

1926/Cal/76. Pilkington Brothers Limited. Improvements in or relating to breaking flat glass into cullet. (October 29, 1975).

1927/Cal/76. R. A. Lister & Company Limited. A liquid sealing device (September 23, 1976).

1928/Cal/76. R. A. Lister & Company Limited. Improvements in or relating to a piston for an internal combustion engine. (September 23, 1976).

1929/Cal/76. C. K. Dwivedi. A voltage regulator.

1930/Cal/76. S. K. Bain. A collapsible module.

1931/Cal/76. Sperry Rand Corporation. Improvements relating to flow control valves. (September 22, 1976).

1932/Cal/76. C. Bryant & Son Limited. Improvements in or relating to scaffolding.

1933/Cal/76. Mark Schuman. Thermocompressor utilizing a free piston coasting between rebound chambers.

26th October 1976

1934/Cal/76. Rakhal Chandra Kar. Solid fuel fired smoke-free fully controlled cooking appliance.

1935/Cal/76. Societe D'etudes DE Machines Thermiques—S.E.M.T. Improvements in or relating to fuel injection pumps for internal combustion engines.

- 1936/Cal/76. The Goodyear Tire & Rubber Company. Integrally built and cured tire and wheel assembly.
- 1937/Cal/76. Messerschmitt-Bolkow-Blohm Gesellschaft mit beschränkter Haftung. Improvements in thermal drills.
- 1938/Cal/76. Shell Internationale Research Maatschappij B.V. Process and apparatus for the partial combustion of coal powder.
- 1939/Cal/76. Roto Diesel. Improvements to fuel injection pumps for I.C. engines. [Divisional date March 15, 1974].
- 1940/Cal/76. AMSTED Industries Incorporated. Mold spray.
- 1941/Cal/76. J. P. Ettridge. Improved rotary machine. (November 4, 1975).

27th October, 1976

- 1942/Cal/76. S. Barthakur. Drawing instrument with reference line—slit.
- 1943/Cal/76. M. R. Burger. Air conditioning methods and apparatus. (October 30, 1975).
- 1944/Cal/76. Stauffer Chemical Company. Improved discrete polyurea microcapsules.
- 1945/Cal/76. Nestle's Products Limited. Preparation of an edible protein product.
- 1946/Cal/76. Lucas Industries Limited. Electrical Switch. (November 11, 1975).
- 1947/Cal/76. General Electric Company. Apparatus for collecting pyrolysates from a gas-cooled dynamoelectric machine.
- 1948/Cal/76. Texaco Development Corporation. Preparation of solid fuel-water slurries.
- 1949/Cal/76. Fried. Krupp Gesellschaft mit beschränkter Haftung. A mass production process for the manufacture of artificial stones.
- 1950/Cal/76. The Lubrizol Corporation. Amino phenol-detergent/dispersant combinations and fuels and lubes containing same.
- 1951/Cal/76. Union Carbide Corporation. Phosphate removal from BOD-containing wastewater.
- 1952/Cal/76. Gestetner Limited. Improvements in or relating to stencil duplicators. (October 27, 1975).
- 1953/Cal/76. Olin Corporation. Apparatus and method for electrically perforating moving webs.
- 1954/Cal/76. Sperry Rand Corporation. Improvements in valves. (September 3, 1976).
- 1955/Cal/76. Sperry Rand Corporation. Power transmission. (September 8, 1976).
- 1956/Cal/76. Sperry Rand Corporation. Improvements in solenoids. (September 3, 1976).
- 1957/Cal/76. Pfizer Corporation. Process for the preparation of triazapentadienes. (August 23, 1974). [Divisional date August 5, 1975].

APPLICATION FOR PATENTS FILED AT THE
(DELHI BRANCH)

16th October, 1976

- 6/Del/76. Instrumentation Limited. Improved servo-actuator.
- 7/Del/76. A. Bakhru. Telephone type intercom system. 18th October, 1976
- 8/Del/76. G. Singh. Improved mixing of charge in a carburetor for petrol engines.
- 9/Del/76. G. Singh. Opto-electronic igniton system without the contact breaker in petrol engines and digital ignition system for petrol engine.
- 10/Del/76. Dr. Mrs. Raka Kamal and Dr. Miss. Raka Sharma. A process for isolation of pyrethrins from *tagetes erecta* linn.

- 11/Del/76. Chief Controller Research & Development (General) in the Research and Development Organisation, Ministry of Defence, Government of India. Fluid MEG-B for use as a recoiling medium in equipments imported from east European countries.

21st October, 1976

- 12/Del/76. A. Shahryar. "Bio. control" natural family planning calculator.

23rd October, 1976

- 13/Del/76. Chief Controller, Research and Development, Ministry of Defence Government of India. A process for the treatment of a wild steel substrate.
- 14/Del/76. Chief Controller, Research and Development, Ministry of Defence, Government of India. Preparation of lead dioxide electrode for reserve batteries.

25th October, 1976

- 15/Del/76. Dr. H. C. Shekharia Visvesvaraya. A process.
- 16/Del/76. Dr. H. C. Shekharia Visvesvaraya. A rotary feeder.

APPLICATION FOR PATENTS FILED AT THE
(BOMBAY BRANCH)

1st October, 1976

- 339/Bom/76. S. G. Pillai. Voltage tester.
- 340/Bom/76. Speedex Plastchrom & Mfg. Co. An improved electro-plating process for production of rainbow colours.

4th October, 1976

- 341/Bom/76. R. V. Bhagwat. Direct reading compass.
- 342/Bom/76. R. V. Bhagwat. Pellete releasing pen. 7th October, 1976
- 343/Bom/76. A. R. Deshpande. Animal drawn multipurpose agricultural equipment powered by an internal combustion engine capable of balancing on narrow base.
- 344/Bom/76. Firestone tyre and rubber Company of India Private Ltd. Improved rim and tyre assembly for use on vehicle wheels.
- 345/Bom/76. R. S. Kulkarni. Radial tube gas meter for low pressure.
- 346/Bom/76. Hindustan Lever Limited. Skin composition.
- 347/Bom/76. P. S. Pandit. Improved tool holder for internal or external threading by thread generating method.

8th October, 1976

- 348/Bom/76. S. M. Shah. Improvements in or relating to granite or like hard material cutting machines.

11th October, 1976

- 349/Bom/76. Kirloskar Oil Engines Limited. A pre-combustion chamber for an internal combustion engine.
- 350/Bom/76. Mrs. Sumitra Prabhakar Kelkar, Miss. Vasumati Prabhakar Kelkar and Shri P. G. Kelkar. An improvement in the arrangement for fixing the blades of ceiling, table, wall-mounting, pedestal and other fans to the shaft or to the body of the rotor.
- 351/Bom/76. Mrs. Sumitra Prabhakar Kelkar, Miss. Vasumati Prabhakar Kelkar and Shri P. G. Kelkar. An improvement in the blades of ceiling, table, pedestal, wall-mounting and other fans.
- 352/Bom/76. S. H. Adhoo. P. K. V. ferti-seed drill attachment.

12th October, 1976

- 353/Bom/76. Hindustan Lever Limited. Detergent compositions and the production thereof.

354/Bom/76. Hindustan Lever Limited. Detergent compositions and the production thereof. (October 17, 1975).

13th October 1976

355/Bom/76. C. K. Zangda, Heavy duty insulation sleeve with neon lamp line voltage tester for tools.

356/Bom/76. N. Gadgil. A device for amusement and exercise.

14th October, 1976

357/Bom/76. Star Textile Engineering Works Limited. A device for piecing yarn in connection with a cylindrical flyer. [Divisional date February 3, 1975].

358/Bom/76. Mrs. Kale Manjusha Yashwant and Mr. K. Y. Gajanan. Vector calculator.

15th October, 1976

359/Bom/76. V. D. Bhat. Mechanical churner or mixer for pasty substances.

360/Bom/76. Hoechst Pharmaceuticals Limited. Process for the production of manilospirins, new cyclic polypeptide antibiotic using *Bacillus subtilis* var. *Manilospira*.

361/Bom/76. Sahney Kirwood Pvt. Ltd. A process for the manufacture of mica paper.

362/Bom/76. P. Malkani. A cockroach trap.

363/Bom/76. G. M. Churi. Improvements in or relating to kerosene-fuelled pressure-stove burner.

16th October, 1976

364/Bom/76. Cadbury-Fry (India) Private Limited. Modified vegetable fat.

365/Bom/76. A. L. Pastala. Improved design of double diaphragms for fine grinding.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

18th October, 1976

200/Mas/76. Y. S. Chandra Shekhar, Automatic voltage stabiliser.

19th October, 1976

201/Mas/76. B. K. Moolchand and S. Bai Dynastarters.

21st October, 1976

202/Mas/76. Shri A. M. Murugapa Chettiar Research Centre. A process for the treatment of cyanide based waste for the recovery of chemical substances therefrom, such as, metallic cyanides and salts.

203/Mas/76. P. M. S. Ganesh. Multi spindle portable drilling machine.

204/Mas/76. C. K. Rajasekharan Nair. Closure plugs for gear box bores.

23rd October, 1976

205/Mas/76. R. B. Menon. A manual laundering machine.

ALTERATION OF DATE

140543. }
1451/Cal/75. } Ante-dated to 6th October, 1976.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period

of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (Postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 20B & 87E. I.C.-A63f 9/18.

140531.

A DEVICE FOR TEACHING MULTIPLICATION TABLES.

Applicant & Inventor : AIYAPPAN ACHARI KESAVAN ASARI, (RETIRED TRAINING SCHOOL HEAD MASTER) VADAKKETHATTAMADHAM, KAVANAD P.O., QUILON-691003, KERALA STATE.

Application No. 86/Mas/74 filed May 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

A device for teaching multiplication tables comprising a board having either 36, 144, 400 or more squares marked thereon depending upon the multiplication tables to be taught, the said squares being numbered as shown in the drawings accompanying the provisional specification, and 2 or more pairs of dice, each of the said dice having marked thereon Nos. 1-6, 7-12, 13-18, 15-20 or 21-26, the number of pairs of the dice and the combination thereof to be used for teaching the multiplication table depending upon the number of squares on the board.

CLASS 179C+D. I.C.-B65d 39/04, 41/28, 51/18. 140532.

A CROWN CAP IN COMBINATION WITH A CLOSURE FOR USE ON BOTTLES.

Applicant & Inventor : TRICHINOPOLY SWAMINATHA PILLAI BAGAVATHY, 1-B, PROMENADE ROAD, CANTONMENT, TIRUCHIRAPALLI, TAMIL NADU, INDIA.

Application No. 109/Mas/74 filed June 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims.

A crown cap in combination with a closure for use on bottles comprising a crown cap; a hollow cylindrical member provided with a base depressed inwardly and an open top, the cylindrical wall of the said member and the said base being sufficiently resilient as to be laterally compressible so as to cause the said member when thrust into the mouth of a bottle, whose internal diameter is slightly smaller than the external diameter of the said wall, to be held tightly therein, by the force or resilience tending to expand it, so as to securely close the said mouth; a circular flange surrounding the open top of the said member and attached to the said wall thereof, said flange being tightly accommodated within the said cap so as to cause a partial vacuum between the open top of the said member and cap, such that as the said cap is fitted to the said bottle, the said member is thrust into the said mouth and simultaneously the said flange forms an air-tight seal between the said cap and the said mouth, and such that as the said cap is detached from the said bottle, the said member and flange are simultaneously drawn out of, and away from, the said mouth.

CLASS 23G. & 55F. I.C.-B65d 5/38. 140533

IMPROVED AMPOULE PACKAGE.

Applicant : 3 BROTHERS & FILS, 5/2, GRANTS BUILDING, ARTHUR BUNDER ROAD, COLABA, BOMBAY-400005, MAHARASHTRA STATE, INDIA.

Inventor : PRIYAKANT PRAHLADRAI PARIKH.

Application No. 357/Bom/74 filed October 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims

An improved ampoule package comprising a thick, strong, four walled self-folding, envelope type carton housing inside a sliding holder for retaining ampoules, characterised by that the holder is a plain and thick card duly creased parallel to the length of the card thereby, when folded, forming a substantially joined double channel-shaped tray-like holder, having a wider central flat portion linking the two channels at two sides and wherein the two opposite perpendicular sides adjoining the said central portion being respectively provided with a number of equispaced small holes and an equal number of large holes opposite to each other to hold each ampoule by its neck and body the ampoule being retained in the said central wider portion.

CLASS 31B & 65B. I.C.-H01f 300. 140534

IMPROVED FERRITE DRUM CORE.

Applicant : PHILIPS INDIA LIMITED, OF SHIVSAGAR ESTATE, BLOCK "A", DR. ANNIE BESANT ROAD, WORLI, BOMBAY-18(WB), MAHARASHTRA STATE, INDIA.

Inventors : MOHAN SHRIDHAR NAIK AND VIDHYUTKUMAR MADHAO BAPAT.

Application No. 369/Bom/74 filed October 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims

An improved ferrite drum core for use in I.F. and R.F. transformers in radio receivers, in which the inner diameter of the winding window has an outwardly concave curvature.

CLASS 25A & 27B + E + 0. I.C.-E04b 1/04, 2/00, 5/02. 140535

HOUSING STRUCTURE HAVING WALLING AND ROOFING UNITS.

Applicant & Inventor : SUBRAMANIA IYER KRISHNA IYER, NO. 53, SIR MD. USMAN ROAD, T. NAGAR, MADRAS-17, TAMIL NADU, INDIA.

Application No. 169/Mas/74 filed November 11, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A housing structure comprising of roofing units and walling units assembled together, each of the said roofing units comprising of a bottom part and a top part, said bottom part comprising a slab having ribs upstanding from one side of the said slab and said top part comprising a slab having grooves corresponding in size and position to the ribs on said bottom part, so that the said ribs of the bottom part fit in said grooves, the said two parts being cemented together with the ribs fitted in the said grooves, the said walling unit comprising of a bottom slab having ribs on its two adjacent edges and grooves adjacent the other two edges, and a top slab having grooves and ribs adjacent the edges corresponding to the ribs and grooves of the bottom slab, the said bottom slab and top slab of the walling unit being assembled with the ribs and grooves adjacent the edges of the said two parts fitting with one another and cemented together.

CLASS 102A + D. I.C.-B25d 9/04. 140536

PORTABLE PNEUMATIC IMPACT TOOL.

Applicant : INSTITUT GORNOGO DELA SIBIRSKO-GOOTDELANIA AKADAMI NAUK SSSR, KRASNY PROSPEKT 54, NOVOSIBIRSK, USSR.

Inventors : NIKOLAI ALEXANDROVICH KLUSHIN, PETR AVRAMOVICH MASLAKOV AND VLADIMIR PETROVICH KOTOV.

Application No. 809/Cal/74 filed April 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A portable pneumatic impact tool comprising a casing, a hollow housing disposed within the casing for axial movement relative thereto, a space defined within the casing which is in constant communication with a compressed air source, a hammer piston mounted in the said housing and arranged for axial movement together with the said housing relative to the said casing respectively, compressed air pressure inside a space of the housing acting to urge the casing axially away from the housing, a pair of working chambers defined within the housing on either side of the hammer piston and which, in use of the tool, are alternately connected with a compressed air source and atmosphere, air supply means for supplying compressed air alternately to the working chambers to thereby reciprocate the housing and hammer piston in anti-phase relation to each other, an additional piston, reciprocable relative to the housing with drive means for reciprocating the additional piston inside the housing, the additional piston being partly received in the said space of the housing during reciprocation thereof to substantially compensate the variations in the volume of the said space caused by the reciprocation of the housing maintaining the volume of the space substantially constant.

CLASS 70C. & 129G. I.C.-B44C 1/00. 140537

IMPROVEMENT IN OR RELATING TO ELECTROLYTIC COLOURING OF ALUMINIUM AND ITS ALLOYS FOR DECORATIVE AND ARCHITECTURAL USES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Inventors : BALKUNJE ANANTHA SHENOI, KANDADAI RAJAGOPALACHARI NARASIMHAN AND VENKATARAMAN BALASUBRAMANIAN.

Application No. 2050/Cal/73 filed September 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings

A process for the electrolytic colouring of aluminium or its alloys for decorative and architectural uses which consists of anodising aluminium and its alloys in sulphuric acid electrolyte using direct current followed by electrolytic colouring in a solution of a metallic salt such as nickel salt, copper sulphate, silver nitrate and/or silver sulphate using alternating current, characterised in that after the said anodising step and prior to the said electrolytic colouring step, the anodised product is further anodised (double anodised) in chromic acid or oxalic acid or in borax solution with pH 10 for a period of 1 to 10 minutes using direct current.

CLASS 188. I.C.-C23f 11/10. 140538

A PROCESS FOR THE PHOSPHATING OF STEEL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Inventors : HARI BAMA THILAKAN, KRISHNA PRASAD MUKHERJEE AND AMIYA KUMAR LAHIRI.

Application No. 2247/Cal/73 filed October 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for the phosphating of steel by treating steel using a chemical bath prepared by digesting zinc oxide in phosphoric acid solution characterised in that the treatment is carried out in presence of alkali phosphite and carboxylic acid having the general formula $C_nH_{(2n+2-x-y)}(OH)_x(COOH)_y$, wherein n may have values between 2-10, x between 0-3 and y between 1 and 3.

CLASS 172E. I.C.-D02h 13/00.

140539

YARN SPOOLING TRAVERSE APPARATUS.

Applicant: SCHWEITER ENGINEERING WORKS LTD., OF HORGEN, SWITZERLAND.

Inventor: ERNST DIETIKER.

Application No. 172/Cal/74 filed January 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Yarn spooling traverse apparatus having yarn guide track means a yarn guide element movable along the guide means; means providing a spiral track groove;

and a rotatable follower having one end engaged in the track and the other end connected to the guide element to move the guide element, upon rotation, of the spiral track means in a reciprocating traverse path;

a lubrication system to lubricate the follower in the track comprising

a duct (8) formed in the follower and extending toward said one inner side thereof and to the root of the spiral track groove;

a lubricant supply having a drip opening therein of such dimension that lubricant drops will form thereat, and located adjacent the path of movement of the follower;

and drop strip-off means located to move with the follower and adjacent the outer terminal end of the duct extending towards the drip opening, to strip off lubricant drops upon passage of the follower past the dripopening.

CLASS 83A1. I.C.-A23-I 1/10, A21D 10/00.

140540

A PROCESS FOR PREPARING SNACK-FOODS FROM STARCH.

Applicant & Inventor: SHUNJI ABE, OF 1-BANCHI OAZA TSUCHIKAWA, OJIYA-SHI, NIIGATA-KEN, JAPAN.

Application No. 673/Cal/74 filed March 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims. No drawings

A process for preparing puffed snack food products from glutinous type starch which comprises mixing by kneading with steam for a period of time sufficient to produce a homogeneous cake material a glutinous type starch selected from the group consisting of glutinous rice starch, waxy corn starch, glutinous millet starch and glutinous kaoliang starch with at least 20% based on the weight of the mixture of a flour selected from the group consisting of rice flour and cereal flour immediately thereafter rapidly cooling the mixture to a temperature sufficient to form a solidified material, shaping and forming the solidified material, into the desired shape drying said shaped and formed material and then backing the dried material under conditions sufficient to form the puffed snack food product.

CLASS 27F. I.C.-E04C 3/00.

140541

RHOMBIC FRAMEWORK GIRDER.

Applicant: FRIED. KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF ALTENDORFER STRASSE 103, D-43 ESSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: HUGO SEDLACEK AND GERHARD SEDLACEK.

Application No. 2718/Cal/73 filed December 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A rhombic framework girder which includes a first chord means and a second chord means arranged in a spaced relationship and substantially parallel to each other wherein said chord means are provided with a plurality of grooves extending in the longitudinal direction of said chord means and a plurality of diagonal bars interconnecting said first and second chord means vertically which are arranged in groups respectively and places side by side into the respective grooves of the two chord means in a manner intercrossing each adjacent group of diagonal bars in a zig-zag form.

CLASS 29D, 67C & 186A. I.C.-H03h 7/12.

140542

IMPROVEMENTS IN OR RELATING TO DIGITAL FILTERS.

Applicant: SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors: DR. ALFRED FETTWEIS AND AXEL SEDLMAYER.

Application No. 972/Cal/74 filed April 30, 1974.

Convention date December 11, 1973/(57259/73) U.K.

Addition to No. 132357.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Improvement in or modification of the digital filter as claimed in Parent Patent Specification No. 132357 in which in the network position requiring direct connection of two matching circuits at least one of which has at least three ports, means are provided by which the or each matching circuit having three ports is provided with the port intended for direct connection function decoupled by the circuit design of the matching circuit between the input and output terminals, and that port of the other matching circuit which is to be connected to it is adapted by virtue of the circuit design of said other circuit to present a port resistance which corresponds to that gate in the first matching circuit whose input and output terminals are decoupled.

CLASS 32, + Fed & 60Xc. I.C.-C07C 143/78.

140543

PROCESS FOR PREPARING BENZENESULFONYL-UREAS.

Applicant: HOECHST AKTIENGESellschaft (FORMERLY KNOWN AS FARBERWERKE HOECHST A. G. VORMALS MEISTER LUCIUS & BRUNING), OF 6230 FRANKFURT/MAIN 80, (FORMERLY OF 45, BRUNINGSTRASSE, FRANKFURT/MAIN), FEDERAL REPUBLIC OF GERMANY.

Inventors: HELMUT WEBER, WALTER AUMULLER, RUDI WEYER AND KARL MUTH.

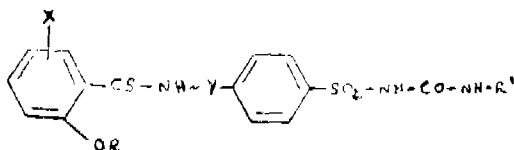
Application No. 1451/Cal/75 filed July 25, 1975.

Division of Application No. 112673 filed October 6, 1967.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

Process for preparing benzenesulfonyl-ureas of the formula shown in Fig. 1.



in which Y represents $-\text{CH}_2-\text{CH}_2-$, $-\text{CH}(\text{CH}_3)-\text{CH}_2-$ or $-\text{CH}_2-\text{CH}(\text{CH}_3)-$,

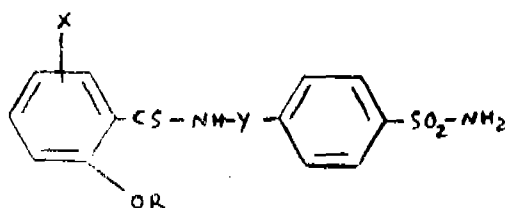
R represents alkyl containing 1 - 5 carbon atoms, preferably methyl, low molecular weight alkenyl, methoxymethyl, ethoxymethyl, methoxyethyl or ethoxyethyl,

X represents halogen, preferably chlorine, low molecular weight alkyl, preferably methyl, low molecular weight alkoxy, preferably methoxy or trifluoromethyl,

R² represents

- (a) alkyl containing 3-6 carbon atoms,
- (b) cycloalkyl containing 5-8 carbon atoms,
- (c) cyclohexenyl, methylcyclohexenyl,
- (d) cyclohexyl substituted by 1-2 alkyl group, the alkyl groups containing each 1-2 carbon atoms and standing preferably in the 4-position of the cyclohexyl radical,
- (e) chlorocyclohexyl, lower alkoxy-cyclohexyl,
- (f) endomethylene-cyclohexyl, endomethylenecyclohexenyl, endomethylene-cyclohexylmethyl or endomethylene-cyclohexenylmethyl,
- (g) nortricyclyl,
- (h) adamantyl,

and their physiologically tolerable salts, which process comprises reacting benzenesulfonamides of the formula shown in Fig. 2.



or their salts such as herein described with R¹-substituted carbamic acid derivatives selected from the group of isocyanates, carbamic acid esters, thiocarbamic acid esters, carbamic acid halides or ures, and, if desired, converting the reaction products so obtained into their physiologically tolerable salts by treatment with an alkaline agent.

CLASS 88C. I.C.-F17C 1/00.

140544

IMPROVEMENTS IN COMPRESSED GAS CYLINDERS.

Applicant : INDIAN OXYGEN LIMITED, AT OXYGEN HOUSE, P-34, TARATALA ROAD, CALCUTTA-53, WEST BENGAL, INDIA.

Inventor : BIMAL KANTI GHOSH.

Application No. 2313/Cal/75 filed December 6, 1975.

Addition to No. 133966.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A protective cap or guard for the valve of a compressed gas cylinder comprising a substantially cylindrical member of predetermined height and diameter adapted to encircle with sufficient clearance the cylinder valve assembly fitted to the neck of the cylinder, the cylindrical member being provided with an opening at its upper end and with one or more lateral openings so that when the cap is secured in position on the neck of the cylinder, the valve outlet and valve spindle head of the valve assembly are easily accessible through said openings, the lower end of the cylindrical member being provided in the form of a split collar having internal screwthreads adapted to engage corresponding threads on the neck ring of the cylinder, said collar being provided with locking means at the point of its split whereby when the cylindrical member is secured by screwing on to the neck ring of the cylinder, the two ends of the collar can be locked together for complete security.

CLASS 146D, I.C.-C01n 21/00.

140545

IMPROVEMENTS IN OR RELATING TO THE MEASUREMENT OF LIGHT PENETRATION IN WATER.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Inventor : SHRI SATYA PRAKASH ANAND.

Application No. 1600/Cal/73 filed July 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A device to record the limit of light penetration in a water source, comprising of two semicircular enamelled plates (1) of fixed equal areas with fixed number of holes of equal sizes drilled at equal distances from each other, two dead weights—a conical (2) and a circular (3), out of which the conical is screwed with the plates and the circular to be attached with the plates by extra strings of equal lengths only when the plates do not remain horizontal because of too strong currents in water observation, a guide rod (4) that passes through the centres of the plates and the conical dead weight, a recording tube (14) with two longitudinal slits (15) of different widths, an attachment strip (16) with squares of equal size cut at equal intervals covering the wider slit, a mobile float (17) provided with a spring device (18), a battery cell (21) with a red bulb (22) fixed in the upper portion of the recording tube, two guide discs (27) to keep the guide rod in position, a graduated rope (20) rivetted with the guide rod in a flushed manner, a mobile pin (26) and a guide rod rest (25) fitted in the upper portion of the recording tube and a few tubular fixtures (28) fixed on the graduated rope at regular intervals and whereby when the device is fitted on a fixed platform or on the deck of a vessel, firstly the apparent colour of the water is observed by the operator and depending upon the colour of the water an approximate limit of the light penetration in the water is assessed in the following manners : if the colour of water appears muddy, its light limit value lies between 0 to 50 cm; if grey, between 50 cm-100 cm; if green, between 100 to 150 cm; if greenish blue, between 150 cm to 200 cm and if blue, it would be beyond 200 cm; accordingly the device is elongated by taking out the mobile pin, pressing in its fly nut by its arms, turning the guide rod by 90° and pulling out the guide rod and the graduated rope to such an extent that its length becomes just equal to the approximate limit value, and then lowered into the water source by paying in the graduated rope slowly; as soon as the enamelled coatings on the semicircular plates just disappear from the operator's sight further paying in of the graduated rope is stopped, a slight jerk is given to the rope, the device is hauled up and a reading on the recording tube in front of which the free arm of the spring device stands is noted by the operator; but on occasions when the red bulb lights on while the semicircular plates are being observed by the operator and have not disappeared from the operator's sight it indicates that its length is not sufficient and the device is hauled up and elongated further by pulling an extra length of the graduated rope and tried again and again in a similar way till the red bulb does not light on and the plates disappear from the operator's sight.

CLASS 154G. I.C.-B41L 13/00.

140546

A DEVICE FOR RECEIVING A STENCIL OR INK SCREEN FROM A DUPLICATOR CYLINDER, AND A STENCIL DUPLICATOR INCLUDING SUCH A DEVICE AND A METHOD OF REMOVING A STENCIL OR INK SCREEN FROM A STENCIL DUPLICATOR.

Applicant : GESTETNER LIMITED, OF FAWLEY ROAD, TOTTENHAM, LONDON, N. 17., ENGLAND.

Inventor : MICHAEL MAYNARD.

Application No. 2103/Cal/73 filed September 14, 1973.

Convention date September 15, 1972/(43012/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A duplicator including a rotatable support located adjacent the or a cylinder of the duplicator for receiving a stencil or ink screen as it is peeled from the duplicator, and onto which support the stencil or screen may be wound, and a slipping drive connected to the duplicator drive for rotating the support in response to rotation of the duplicator cylinder with a speed of rotation under zero slip conditions which will give the support a peripheral speed higher than that of the duplicator cylinder, and said support being adapted to be removed for disposal or storage once the stencil or ink screen has been completely peeled from the duplicator cylinder and wound around the support.

CLASS 97F. I.C.-C21C 5/52, H05b 7/18, G05f 1/02, 1/12.

140547

METALLURGICAL PROCESS FOR SUPPLYING A FURNACE CHARGE TO AN ELECTRIC ARC FURNACE.

Applicant : ELKEM-SPIGERVERKET A/S, ELKEM-HUSET, MIDDELTHUNSGATE 27, OSLO 3, NORWAY.

Inventor : NILS SKREIEN.

Application No. 2225/Cal/73 filed October 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims

A metallurgical process such as herein described, which comprises supplying a furnace charge to an electric arc furnace, striking an arc between an electrode and the furnace charge or between an electrode and the furnace bottom, measuring an electrical parameter which is non linearly varied by conditions within the furnace, processing at least one harmonic of the measured electrical parameter thereby to obtain a signal which represents the degree of deviation of the measured electrical parameter from the characteristic of the mains or other electric power supply to the furnace, and adjusting the conditions in the furnace in dependence on the signal.

CLASS 107B+C, 163B, & 190A+B+C. I.C.-F01C 1/02, 1/06, F02b 53/60.

140548

A NEW TYPE OF ROTARY ENERGY CONVERTER AND METHOD OF UTILIZING IT.

Applicant & Inventor : MUTHUKUMARASWAMY BALAKUMAR, 53, NEW STREET, MANNADY, MADRAS 600001 TAMIL NADU, INDIA.

Application No. 1500/Mas/73 filed October 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A rotary energy converter comprising;

(i) a housing called stator, closed by end covers which may be integral with the said stator housing, said stator housing having a hollow or a recess of uniform depth and of a desired peripheral profile namely that of two overlapping circles thereby forming two distinguishable separate parts, the circular

peripheries of the said two parts so overlapping that they form apices;

(ii) two rotors each working within one of the said parts of the said stator, each rotor having its shaft revolvably mounted concentrically to corresponding one of the parts of the stator hollow, said rotors being assembled in an angular relationship and rotating synchronously without any slip or lag, at unit speed ratio, the rotors rotating with virtual sealing contact between the inner surfaces of the end covers and the peripheries of their respective stator parts as also between their oppositely rolling peripheral surfaces, the said rolling surfaces being in perennial contact by virtue of their mutually complementary profiles along lines of contact that shift around cyclically, the said virtual sealing contacts of the rotors forming cyclically, between parts of the peripheries of the two rotors, the stator recess and parts of the end covers, a set of working chambers, one chamber developing in volume thereby creating suction and the other chamber contracting in volume thereby effecting compression, the arrangement being such that one of the rotors, termed power rotor, is subjected to working moments arising from its rotation while the other rotor, termed idler rotor, is subjected to frictional and inertial moments only;

(iii) a known mechanical linkage like a gear train or a chain drive provided between the shafts of the two rotors to ensure the synchronous rotation of the rotors in the same direction and in the same speed ratio, to function as a Rotary Internal Combustion Engine;

(iv) inlet and outlet passages linked to the developing and contracting working chambers, and inlet and outlet valves respectively controlling these passages, to cyclically provide openings and closures at and for the required times through the means of suitable known mechanical linkage such as hydraulic circuit elements and relief valves;

(v) known seals fitted at the tips or corners of the rotors and the apices of stator hollow, to strengthen these locations from wear-and-tear.

CLASS 206E. I.C.-H1L 13/00.

140549

SEMICONDUCTOR DEVICE.

Applicant : N. V. PHILIPS' GLOE'LAMPENFABRIEK, AT EMMASINGEL 29, EINDHOVEN, NETHERLANDS.

Inventors : KARPL PETRUS VAN ROOIJ, JOHANNES THOMAS SCHRAMA AND ADRIANUS WILLEM LUDIKHUIZE.

Application No. 2407/Cal/73 filed October 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims

A semiconductor device comprising two P, N---N(N, P, p) diodes arranged in series and in opposition and having a semiconductor body with two surface zones of one conductivity type which adjoin a substantially flat surface of the body and which extend in a relatively high-ohmic surface layer which is common to the diodes, said high-ohmic surface layer extending from the surface further into the semiconductor body than the surface zones and separating said surface zones from a relatively low-ohmic region of the opposite conductivity type, the low-ohmic region and the two surface zones being provided with an electrically conductive connection characterized in that, the low-ohmic region which has an electric connection contact adjoins the same surface as the two surface zones, the connection contact of one of the two surface zones forming a high-frequency signal input and the connection contact of the other surface zone forming a high-frequency signal output, a current path of controllable impedance being present between said signal input and signal output said current path extending substantially entirely in the semiconductor body so as to substantially bypass the connection contact of the low-ohmic region.

CLASS 104+J. I.C.-C08C 11/54 9/04. C08d 9/04.

140550

RUBBER MIXTURES HAVING REINFORCING ADDITIVES AND A METHOD FOR PREPARING SUCH MIXTURE.

Applicant : DEUTSCHE GOLD-UND SILBER-SCHNEID-ANSTALT VORMALS ROESSLER, OF 9, WEISSFRAUEN-STRASSE, FRANKFURT (MAIN), FEDERAL REPUBLIC OF GERMANY.

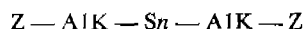
Inventors : DR. FRIEDRICH THURN, KURT BURMES-TER, JOHANNES POCHERT AND SIEGFRIED WOLFF.

Application No. 2466/Cal/73 filed November 9, 1973.

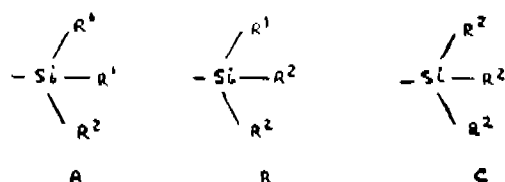
Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

5 Claims

Rubber mixtures comprising at least one rubber, a cross-linking agent silicate fillers and if desired carbon black, and other conventional rubber auxiliaries, and as a reinforcing additive, one or more organosilanes of the general formula I.



in which Z represents the group of Formula A, B or C



where R^1 is an alkyl (C_1-C_4) or phenyl radical and R_2 is an alkoxy group with 1 to 8, preferably 1 to 4 carbon atoms, a cycloalkoxy group with 5 to 8 carbon atoms, Alk represents a divalent, optionally unsaturated, linear or branched aliphatic cycloaliphatic or aromatic hydrocarbon radical with 1 to 18 carbon atoms, more particularly with 1 to 6 and preferably with 2 or 3 carbon atoms, and n is a number from 2 to 6 more particularly from 2 to 4, preferably from 3 to 4.

CLASS 130-I. I.C.-C22b 17/04 C22b 19/22. 140551.

AN IMPROVED EXTRACTIVE METALLURGICAL PROCESS FOR THE EXTRACTION OF ZINC AND CADMIUM.

Applicant & Inventor : SUNIL DEY AND PREM KUMAR KAPOOR, AT A-60 KAILASH COLONY, NEW DELHI-48, INDIA.

Application No. 2749/Cal/73 filed December 17, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

9 Claims. No drawings.

In a process for the treatment of zinc plant residue or roasted zinc sulphide or calcine the step of neutralizing the leached liquor of the residue or calcine for precipitation of ferric basic sulphate and which comprises heating the leached liquor with calcine and/or zinc blende with or without manganese dioxide/pyrolusite at a temperature above 100°C with oxygen over pressure to obtain a neutralized liquor having a pH of 2.5 to 3.5.

CLASS 116H. I.C.-B66C 11/00. 140552.

AN IMPROVED TYPE OF MOBILE GANTRY CRANE.

Applicant & Inventor : JAGAT SETH, 2481, CHIPPIWARA KALAN (NEAR JAMA MASJID), DELHI, INDIA.

Application No. 43/Cal/74 filed January 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

14 Claims.

A mobile gantry crane comprising a base frame mounted on three wheels, one of the three wheels is a driving cum steering wheel supporting a structure which also supports the driving unit, transmission gears, hoisting drum and various controls, the said structure has a cylindrical vertical extension the axis of which is in the same plane as said driving steering wheels and the said cylindrical extension is free to rotate around a vertical upright column of a gantry from which is

suspended a hoist hook substantially centrally located with respect to the points of support of the crane such that a load applied to the hook will be distributed substantially equally over the wheels two of which are located at one side of the gantry and the third being located at the other side of the gantry and means being provided for enabling the distance between the wheels at opposite sides of the gantry to be changed in order to vary the track width.

CLASS 116H. I.C.-B66C 11/00.

140553.

AN IMPROVEMENT IN OR RELATING TO MOBILE CRANE.

Applicant & Inventor : JAGAT SETH, 2481, CHIPPIWARA KALAN (NEAR JAMA MASJID), DELHI, INDIA.

Application No. 44/Cal/74 filed January 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims

A mobile crane comprising a frame mounted on three wheels two of which are provided at the end of two horizontal base arms, the third being a driving and steering wheel is mounted with power unit with all the controls and having an extension in the same plane as the driving steering wheel, the said extension entering the vertical upright support and working with it through bearing rotates freely enabling the whole power unit to rotate 360 degrees about the vertical axis characterised by the fact that the said rotation of 360 degrees of the power unit permits the variation of the sense of direction of the driving wheel to effect the steering of the crane and wherein the frame comprises two base arms each having wheel at one end the other end being provided with the two vertical supports, connected together at the top by a cross-piece substantially centrally with respect to the two base arms, a third vertical upright support being provided downward at the end of the third horizontal support and at the top side of the vertical upright support brackets are provided for the purpose of hinging the end of a telescopic boom.

CLASS 62D. I.C.-D06C 27/00.

140554.

APPARATUS AND PROCESS FOR THE CONTINUOUS TREATMENT OF AN ADVANCING WEB.

Applicant : COTTON, INCORPORATED, OF 1370 AVENUE OF THE AMERICAS, NEW YORK, NEW YORK 10019, UNITED STATES OF AMERICA.

Inventors : NELSON FRANKLIN GETCHELL, NORMAN ROBERT SINGLETON HOLLIES AND SAMUEL SHELTON STANTON.

Application No. 134/Cal/74 filed January 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

14 Claims

Fluid treatment apparatus comprising :

enclosure means;

reaction chamber means in said enclosure means;

fluid spray means disposed in said reaction chamber means; and means for conducting a continuous web of material into said enclosure and through said reaction chamber means and subsequently out of said enclosure.

CLASS 176A. I.C.-F23j 3/00.

140555.

POWER CONNECTING APPARATUS FOR MOVABLE MEMBERS.

Applicant : DIAMOND POWER SPECIALTY CORPORATION, OF U.S. ROUTE 22 EAST, LANCASTER, OHIO, UNITED STATES OF AMERICA.

Inventor : PAUL RICHARD JOHNSTON.

Application No. 501/Cal/74 filed March 7, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims

Means for providing power conductive communication between two components one of which is movable relatively to the other including a helically coiled flexible member having one end fast with respect to one of said components and its other end fast with respect to the other component, whereby the helix is extended and contracted axially during movement of said components from and toward one another, and a rod extending through the helix to support said member, characterized by a sleeve attached to one of said components and slidably overfitted upon the rod within the helix, and a knob attached to the sleeve at a position spaced from the component to which the sleeve is attached, said knob being of a size to frictionally oppose but permit successive escape of convolutions of the flexible member during extension of the helix.

CLASS 194C, I.C.-H01J 31/00. 140556

A STORAGE TARGET FOR A CATHODE RAY TUBE.

Applicant : TEKTRONIX, INC. OF 14150 S.W. KARL BRAUN DRIVE, BEAVERTON, OREGON 97005, UNITED STATES OF AMERICA.

Inventors : GERALD EMMETT MCLEAGUE AND KENNETH RICHARD STINGER.

Application No. 694/Cal/74 filed March 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A storage target for a cathode ray tube having an envelope and an insulative support member sealingly secured onto one end of said envelope, a conductive layer on the inside surface of the insulative support member which is to be connected to a predetermined voltage level and a dielectric layer for storing a charge pattern thereon disposed on the conductive layer, means in said envelope for emitting high speed electrons toward and onto said dielectric layer for establishing said charge pattern on said dielectric layer and for directing low velocity electrons toward and onto said dielectric layer for driving selected areas of said dielectric layer toward one of two stable potentials to retain said charge pattern thereon, the improvement comprising a multiplicity of spaced conductive collector electrodes in the form of particulate material having inner ends connected to said conductive layer, said conductive layer being smooth and monotonous, said collector electrodes extending from said conductive layer through said dielectric layer at least to an opposite side thereof to provide an equipotential surface on said opposite side of said dielectric layer at substantially the same voltage level as said conductive layer, said dielectric layer being substantially continuous except where interrupted by said collector electrodes.

CLASS 83A, & 92D+F, I.C.-A23L 1/36. 140557

A DEVICE FOR THE PREPARATION OF A EDIBLE SUBSTANCE HAVING FOOD AND MEDICINAL VALUES FROM RIPE SEEDS OF EURAYLE FEROX.

Applicant & Inventor : RAGHUBIR LATH, OF POST JHARSUGUDA, DIST SAMBALPUR, ORISSA, INDIA.

Application No. 807/Cal/74 filed April 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A device for the preparation of a substance having food and medicinal values from the ripe seeds of the plant EURAYLE FEROX which comprises as units, a drier, a roaster and a mechanical impact-breaker for the seeds of fruits of the said plant material wherein the roaster comprises an inclined shell having heating arrangements at its underside, a hood or covering extending throughout the outer body of the shell leaving an annular gap between the outer surface of the shell and the hood, the hood having longitudinal openings/along the length of the shell in which openings the heating arrangements are positioned a conveyer for the seed positioned axially within the shell from the upper end to the lower end, a seed hopper at the upper end of the shell and a discharge chute at the lower end of the shell, a driving arrangement for operating the seed conveyer at controlled speeds and

wherein the hopper of the mechanical breaker unit for the seed is positioned below the outlet chute of said roaster, said mechanical breaker comprising a hopper for collecting the seeds discharged by the chute of the roaster and to feed the seeds into the nip provided between two rotating rollers so that the seed passing through the nip is broken and dropped out of the other end giving the edible material of the seed and the broken seeds in a mixed state.

CLASS 83A, I.C.-A23L 1/36.

140558.

A METHOD OF PREPARING A MATERIAL HAVING FOOD AND MEDICINAL VALUES FROM RIPE EURAYLE FEROX SEEDS.

Applicant & Inventor : RAGHUBIR LATH, OF JHARSUGUDA, DISTRICT SAMBALPUR, STATE OF ORISSA, INDIA.

Application No. 794/Cal/74 filed April 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for the preparation of a substance having food and medicinal values from the seeds of the fruits of the plant belonging to the Nymphaeaceae family, in particular from EURAYLE FEROX which comprises in collecting the ripe fruits of the plant, opening the fruits, picking out the seeds, washing and cleaning the seeds in water, drying the seeds at a temperature of approximately 100°C taking care that the outer shells of the seeds are not damaged by bursting, cooling the seeds if desired, followed by further roasting the seeds at temperatures higher than the aforesaid first roasting by 10 to 15°C so as to ensure that the material within the shells of the seeds is brought to a plastic or gummy consistency, thereafter subjecting the so roasted seeds to a seed breaking step without substantial heat loss such that the outer shell of the seed is broken carefully without damaging the material inside and that the material in the plastic or gummy state now exposed swells up under the influences of the escaping entrapped gaseous material.

CLASS 67C & 206E, I.C.-G06f 15/00.

140559.

DATA PROCESSING APPARATUS.

Applicant : INTERNATIONAL COMPUTERS LIMITED, OF ICL HOUSE, PUTNEY, LONDON, S.W. 15, ENGLAND.

Inventors : ROGER JAMES BALL AND ANDREW GIBSON WILLIAMS.

Application No. 1469/Cal/74 filed July 2, 1974.

Convention date July 19, 1973/(34429/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Data processing apparatus comprising : a main store capable of holding a sequence of multi-word blocks of instructions; a slave store having a faster access time and a smaller information capacity than the main store; an instruction buffer capable of holding one of the blocks and comprising two sections of unequal size; means for repeatedly scanning the contents of the buffer in a predetermined sequence to provide a succession of instructions for execution; means operative substantially at the start of the scanning of the larger section of the buffer to address the next block in the sequence and to initiate fetching of the words in that block, in parallel, from the main store to the slave store if that block is not yet in the slave store; means operative during scanning of the larger section of the buffer to write a corresponding portion of the addressed block into the smaller section of the buffer; and means operative during scanning of the smaller section of the buffer to write the remaining portion of the and means operative during scanning of the smaller section of the buffer to write the remaining portion of the addressed block into the larger section of the buffer.

CLASS 67C & 206E. I.C.-G06F 1/00. 140560.

A MICROPROGRAMMABLE COMPUTER SYSTEM.

Applicant: BURROUGHS CORPORATION, AT BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Inventors: PATRICK JOSEPH CHOWNING, DIANE WILLIS CIKOSKI AND THOMAS ROBERTS CIKOSKI.

Application No. 1548/Cal/74 filed July 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A microprogrammable computer system, said system having an interpreter-processor with peripheral devices and a shared memory connected to said interpreter processor, said shared memory being capable of storing both micro-instruction strings and user program object code, comprising:

means for storing firmware modules used in said computer system including peripheral controller microstrings and processor computational microstrings said storing means being associated with said processor;

means for obtaining firmware requirements for each user program to be run of said computer; said means being connected to said processor;

means for translating said obtained requirements into firmware modules to be bound into said shared memory and into said storage location of said modules, said means being connected to said obtaining means; and

means for generating the binding of each firmware requirements into said shared memory, said means being connected to said storage and said translating means and said shared memory.

CLASS 85J. I.C.-F24J 3/02.

140561.

SOLAR FURNACE.

Applicant & Inventor: SIEGFRIED WILLHELM BIRKLE, OF 208 ALBANY STREET, GOSFORD 2250, NEW SOUTH WALES, AUSTRALIA.

Application No. 2619/Cal/74 filed November 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

Solar furnace having a concave reflecting surface and a fluid conveying pipe which extends through one or several focuses of the concave surface, characterized by a stationary hollow sphere which is subdivided into three horizontal sections of differing optical properties, whereby the top section is open or translucent, the middle section—which makes up two thirds of the hollow sphere—is mirror finished and is translucent from the outside, and the bottom section is mirror finished on the inside, while the pipe is curved in the middle in the shape of a half-circle and can revolve around the horizontal axis of the hollow sphere.

CLASS 131A. I.C.-E21d 1/00.

140562.

A METHOD OF CONSTRUCTING A FILTER WELL.

Applicant: FERDINAND AUFSCHLAGER KG, OF 8 MUNCHEN 13, FRANZ JOSEPH-STRASSE 11, FEDERAL REPUBLIC OF GERMANY.

Inventors: KURT INGERLE AND KARL MEISTER.

Application No. 2644/Cal/74 filed November 27, 1974.

Convention date November 8, 1974/(48395/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method of constructing a filter well, when using a method of sinking, particularly the dry drilling method, in which a filter material, especially filter gravel, is poured in, at least in the region of the producing strata, characterised

by a plurality of bored holes or cavities, which mutually intersect over their whole lengths, being sunk at a time to the level of the strata to be filtered, and by a continuous filter body, which fills the capacity of the well, being formed.

CLASS 39M. I.C.-C01b 25/32.

140563.

METHOD AND APPARATUS FOR PRODUCING CALCIUM PHOSPHATES.

Applicant: NORSK HYDRO A.S., OF BYGDOY ALLE 2, OSLO 2, NORWAY.

Inventors: OYVIND SKAULI AND JAN BIRGER ISAKSEN.

Application No. 478/Cal/75 filed March 12, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Method of producing animal feed grade phosphates such as mono-calcium phosphate, di-calcium phosphate or mixtures of same by direct reaction between phosphoric acid and Ca-containing materials, characterized in that a finely ground, preheated calcium carbonate suspension is brought to react with a suitable quantity of preheated phosphoric acid by introducing the reactants into a short, tubular reaction zone, open at one end, whereby development of gas and intensive mixing of the reactants in the reaction zone take place, the gas formed expelling or ejecting the foaming reaction mixture from the tube-like reaction zone, the reaction being substantially completed while the individual particles in the mixture are freely suspended in air or gas, whereafter the reacted mixture is collected in the form of a free-flowing granulate having improved handling properties.

CLASS 40B. I.C.-B01J 11/00.

140564.

A PROCESS FOR THE PREPARATION OF CATALYST SUITABLE FOR THE PRODUCTION OF PHTHALIC ANHYDRIDE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Inventors: SUBIR KUMAR MUKHOPADHYAY, SWAPAN KUMAR GHOSH, TARUN KANTI BHOWMIK, SHEO RATNA DWIVEDI, MURARI CHAKRABORTY, AMARENDRA NATH BASU, NITYA GOPAL BASAK AND ADINATH LAHIRI.

Application No. 264/Cal/73 filed February 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the preparation of catalyst suitable for the production of phthalic anhydride by vapour phase oxidation of orthoxylene, naphthalene or mixture of both, which comprises treating silicon carbide of size range -7 to $+14$ mesh B.S.S. with an inorganic acid at a temperature of about 50°C – 100°C impregnating the so treated silicon carbide with an aqueous solution of salts of vanadium and molybdenum, drying the impregnated silicon carbide and heating the dried silicon carbide at temperature in the range of 400°C – 700°C .

CLASS 136-I I.C.-A43C 9/00.

140565.

LACES AND GRANULES OF THERMOPLASTIC POLYMERS AND THEIR PRODUCTION.

Applicant: IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W. 1, ENGLAND.

Inventor: PETER JOHN KIMBER.

Application No. 1919/Cal/73 filed August 21, 1973.

Convention date August 24, 1972/(39411/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A method of modifying a thermoplastics polymer lace which comprises exposing a lace, the surface of which is

tacky, to a powdered thermoplastics polymer composition such as herein described whereby the powder adheres to the surface of the lace to form a granular coating.

CLASS 114D+E, I.C.-C14b 17/00, 19/00, 140566.

IMPROVEMENTS IN OR RELATING TO MACHINE FOR THE TREATMENT OF HIDES AND SKINS.

Applicant: GEORGES MERCIER & JACQUES MERCIER, AT RUE DANIEL MERCIER, 07102, ANNONAY-ARDECHE-FRANCE.

Inventor: FRANK FINIELS.

Application No. 1347/Cal/74 filed June 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Improved machine for treatment of hides and skins comprising a device for periodically firmly holding the skins on a support surface by single or multiple tools given a uniform and unidirectional movement from the centre towards the periphery at all angles successively by the same holding device driven for alternate rotational movement, during the return travel of the tools, the said holding device comprises roller members carried by arms of a support rotationally fitted to the frame of the machine covering the spread out skin on the table, the skin being pressed against the roller members by the least one adjustable pressing element acting below the table.

CLASS 32F.b, I.C.-C07d 23/06, 140567.

A PROCESS FOR THE PREPARATION OF STEAROYL AZIRIDINE SUITABLE FOR USE AS TEXTILES SOFTENER.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Inventors: KRISHAN KUMAR SHARMA AND AJIT SINGH JAFFAL.

Application No. 994/Cal/73 filed April 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the preparation of stearyl aziridine suitable for use as textile softener which consists in condensing stearyl chloride with aziridine in the presence of organic base such as triethylamine or pyridine.

CLASS 32A₁, I.C.-C09b 27/00, 140568.

PROCESS FOR THE PRODUCTION OF DIAZO COMPOUNDS.

Applicant: SANDOZ LTD., OF LICHTSTRASSE 35, BASEL SWITZERLAND.

Inventors: MAX AEBERLI AND JURGEN GOLDMANN.

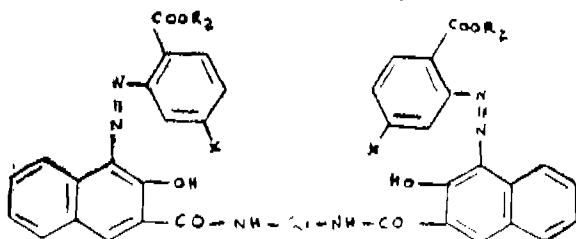
Application No. 2731/Cal/73 filed December 15, 1973.

Convention date December 18, 1972/(58269/72) U.K.

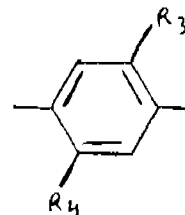
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for the production of a compound of formula I.



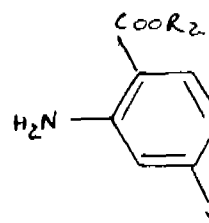
in which R_1 signifies 1, 4- or 1, 5-naphthylene or a radical of formula II.



in which R_1 and R_2 , which may be the same or different, each signifies hydrogen, chlorine, bromine, methyl or methoxy, the radicals R_3 , which may be the same or different, each signifies an alkyl radical, of 1 to 8 carbon atoms, or the phenyl radical, and the radicals X , which may be the same or different, each signifies fluorine, chlorine or bromine, characterised by reacting 2-hydroxy-naphthalene-3-carboxylic acid or a functional derivative thereof such as herein described with (i) a compound of formula III.



in which R_1 is as defined above, and (ii) a diazonium derivative of a compound, or, compounds of formula IV.



in which R_2 and X are as defined above.

CLASS 136F, I.C.-B29R 5/400, 140569.

PROCESS FOR MAKING A PARTICLES BOARD.

Applicant: EDWARD POTTER, AND DANT & RUSSELL, INC., OF 14415 S.W. 6TH, BEAVERTON, OREGON 97005, U.S.A. AND 2000 S.W. 5TH AVE., PORTLAND, OREGON 97204, U.S.A.

Inventors: IRVING WILLIAM POTTER AND ROBERT-MYRON SMYTH.

Application No. 635/Cal/74 filed March 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims

A process for efficiently manufacturing a bonded particle board product of substantial continuous thickness and density, suitable for use as a lumber substitute, from a mixture of comminuted lignocellulosic particles and adhesive binder by the bonding of said mixture under pressure, said process being characterized by: (a) compressing a quantity of said mixture in an elongate enclosing mold having a movable lockable pressure member forming part of said enclosure, to a density several times the uncompressed density of said mixture and to a predetermined compacted thickness of no less than 1½ inches by applying an initial external force by means of a force-applying apparatus to move said pressure member to a pressed position within said mold, thereby pressurizing said mixture within said mold; (b) locking said pressure member in said mold to said pressed position as an assembly so as to retain said mixture in said pressurized condition, and thereafter relieving said pressure member of said external force; (c) removing said mold and locked pressure member assembly from said force-applying apparatus; (d) thereafter, while said pressure member remains locked in said pressed position, heating said mixture in said mold so as to bond said pressurized mixture together and thereby form said product; and (e) removing said bonded product from said mold.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

114750 114843 114983 115071 115140 115151 115211 115215
115745 116353 116409 116429 116811 116834 116857 116908
116917 117002 117521 117549 117578 117586 117653 117793
117958 118045 118115 118184 118218 118250 118347 118417
118548 119056 119746 119769 119957 120032 120085 120232
120761 120808 121594 121642 123304.

(2)

117719 118473 118487 118547 118796 119162 119174 119703
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115850 116245 116356 117321 118412.

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115550 116177 116201 116208 116250 116370 116569 116648
116712 116959 117147 117212 117388 117463 117475 117494
117527 117537 117541 117576 117583 117587 117595.

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116944 117032 117148 117156 117210 117232 117385 117525
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PATENTS SEALED

117447 130397 138192 138280 138284 138291 138298 138310
138312 138358 138363 138381 138415 138447 138461 138481
138491 138492 138493 138494 138512 138519 138524 138532
138533 138543 138546 138551 138559 138561 138564 138565
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138711 138714 138717

CORRECTION OF CLERICAL ERRORS
UNDER SECTION-78

(1)

Certain errors in application and specification of the application for patent No. 138382 the acceptance of the complete specification of which was notified in Part-III Section 2 of the Gazette of India dated the 24th January 1976 have been corrected under sub-section (3) of Section 78 of the Patents Act, 1970.

(2)

The title of the application and specification of the application for patent No. 138283 the acceptance of the complete specification of which was notified in Part-III, Section-2 of the Gazette of India dated 17th January 1976 has been corrected under sub-section (3) of Section-78 of the Patents Act, 1970.

AMENDMENT OF PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning of 45 Bruningstrasse, Frankfurt/Main, Federal Republic of Germany, chemical manufacturers, a corporation organised under the laws of the Federal Republic of Germany, have made an application under Section 57 of the Patents Act, 1970 for amendment of application, specification and drawings of their application for patent No. 126791 for "Basic azo dyestuffs and process for their preparation". The amendments are by way of amendment of name of the applicants in the application documents and deletion of claims 1 to 10 and 17 on file and revision of the title of invention. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentee in the statements filed by them under Section 146(2) of the Patents act, 1970, in respect of Calendar year 1975 generally on account of want of requests for licences to work the patented inventions, persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

List No. I

Sl. No.	Patent No.	Date of Patent	Name & Address of Patentee	Brief title of invention
1	2	3	4	5
1.	72863	3-8-1960	Schlumberger Well Surveying Corporation, 5000 Gulf Freeway, Houston, Texas, U.S.A.	Fluid sampling apparatus.

1	2	3	4	5
2.	73122	24-8-1960	Shadan Hojin Nihon Plant Kyokai, of No. w., Yuraku-cho, Chiyado Ku, Tokyo, Japan.	High pressure reactor.
3.	73724	14-10-1960	Caterpillar Tractor Co of 100 N.E. Adams Street, Peoria, Illinois 61629, U.S.A.	Ejector for loader buckets.
4.	75360	14-2-1961	Schlumberger Well Surveying, Corp, of 5000 Gulf Freeway, Houston, Texas, U.S.A.	Apparatus for investigating earth formations.
5.	75683	10-3-1961	Caterpillar Tractor Co, of 100 N.E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Bulldozer blade mounting.
6.	78264	28-8-1961	General Mills Inc, of 9200 Wayzata, Boulevard, Minneapolis, 26 Minnesota, U.S.A.	Making beams.
7.	78636	26-9-1961	Caterpillar Tractor Co, of 100 N.E. Adams Street Peoria, Illinois, 61629, U.S.A.	Push arm and mounting structure for tiltable bulldozer blade.
8.	78637	26-9-1961	Do.	Replaceable ripper tip.
9.	80629	6-2-1962	York Trailer Company Ltd, of St. Marks Road, Corby, Northants, England.	Road vehicles.
10.	81241	14-3-1962	Cardwell Westinghouse Company of 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Draft gear arrangement in railway cars.
11.	83594	6-8-1962	Caterpillar Tractor Co of 100 N.E. Adams St. peoria, Illinois, 61629.	Hydraulic circuit for tractor drawn scrapers.
12.	83595	6-8-1962	Do.	Hydraulic circuit for tractor drawn implements.
13.	83676	18-8-1962	Do.	Hydraulic system for actuation of an earth moving scraper ejector.
14.	84726	22-10-1962	Cardwell Westinghouse Company, of 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Draft gears.
15.	85275	23-11-1962	Schlumberger Well Surveying Corp, of 5000, Gulf Freeway, Houston, Texas, U.S.A.	Well logging system.
16.	85437	3-12-1962	Emil Beck Jensen, Citizen of U.S.A. Glenwood, Illinois, 60425, U.S.A.	Replaceable blade for rotatable rasp used to remove rubber from the carcass of rubber tire.
17.	87920	14-5-1962	Craven Textile Patents Ltd. of Bank, Chambers 1, Colue lane, Lancaster, England.	Brake for warp let off motions.
18.	88211	30-5-1963	Trutzschler & Co, of 407 Rhedyt Odenkirchen, West Germany.	Feeder for carding machine.
19.	90323	15-10-1963	Toyo-Sen-I Kabushiki Kaisha of No.-18, 2-chome. Moronouchi, chiyado-ku, Tokyo—Japan.	Processing bast fibres and draft cutting apparatus therefore.
20.	90683	6-11-1963	Caterpillar Tractor Co, of 100 M.E. Adams Street, Peoria Illinois 62629, U.S.A.	Hydraulic circuit for control of earth moving scraper boulds.
21.	91007	26-11-1963	Cardwell Westinghouse Co, of 332 South Michigan Avenue, Chicago, Illinois U.S.A.	Draft gear arrangement for mounting in the draft pocket of railway car frame.
22.	92364	21-2-1964	Chubb & Sons Lock & Safe Co, Ltd, 14—22, Tottenham Street, Tottenham Court Road, London, S.W.1, England.	Cylinder Locks.
23.	92860	19-3-1964	Chiyoda kako Kensetsu Kabushiki Kaisha, of 12, 3-chome, Tamachi, Akasaka, Mainato ku, Tokyo, Japan.	Water clarifying equipment.
24.	92914	23-3-1964	Caterpillar Tractor Co, of 100 N.E. Adams St, Peoria, Illinois 61629, U.S.A.	Differential for wheel vehicles.

1	2	3	4	5
25.	93104	2-4-1964	Chiyoda Kako Kensetsu Kabushiki Kaisham of 12, 3-chome, Tamachi, Akasaka, Minato ku, Tokyo, Japan.	Sealing means of floating cover for liquid storage tank.
26.	93305	15-4-1964	Do.	Storage tank.
27.	93912	2-8-1963	Spirax Sarco Ltd, of 130/132, St. George's Road, Chettemham, Gloucestershire, England.	Steam traps.
28.	94053	22-4-1962	Cardwell Westinghouse Company, of 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Hydraulic cushioning element for draft gears.
29.	94054	2-6-1964	Do.	Hydraulic cushion.
30.	94448	28-6-1963	Bristol Aeroplane Plastics Ltd, of Stonebridge House, Colston Avenue, Bristol, England.	Structures.
31.	94753	19-7-1963	Bradford Dyers Association Ltd, 39 Well St, Bradford, 1 Yorkshire England.	Conveying carpets.
32.	94754	18-7-1964	Do.	Stencile printing machine.
33.	95017	3-8-1964	Polylock Corporation, 110 West, 34 Street, New York, N.Y. 10001, U.S.A.	Fabric.
34.	96649	23-11-1964	Caterpillar Tractor Co, of 100 N.E. Adams St, Peoria, Illinois 61629, U.S.A.	Tractor Trailor Combination.
35.	97148	22-12-1964	Silica Und Schamottefabriken Martin & Fagenstecher Aktiengesellschaft of 31 Schanzenstrasse, Koln-Mulheim, West Germany	Refractory lined regenerated air heating stove.
36.	98196	1-3-1965	Sanitas Company Limited, 140 Tottenham Court Rd, London S.W.1, England.	Sewage treatment system.
37.	98963	12-4-1965	Cardwell Westinghouse Co, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Two way automatic slack adjuster.
38.	99014	17-4-1964	Dr. Carl Hahn GmbH of Kaiserswetherstrasse 270, 400 Duseldorg, West Germany.	Shaping one end of cylindrically shaped tampon.
39.	99613	19-5-1965	Chiyoda Kako Kensetsu Kabushiki Kaisha of No. 12, 3-chome, Tamachi, Akasaka, Minato-ku, Tokyo, Japan.	Flamless radiant burner.
40.	99819	14-7-1964	Bristol Aeraplane Plastics Ltd, Stanbridge House, Calstone Avenue, Bristol 1, England.	Long term bore hole type wells.
41.	99953	25-6-1964	James Mackie & Sons Limited, of Albert Foundry, Belfast 12, Northern Ireland.	Textile winding machine.
42.	100351	30-6-1965	Plastex Ltd of 4 & 5 Westmoreland Street, Dublin, Ireland.	Faller bars for textile combing machines.
43.	102057	14-10-1965	Caterpillar Tractor Co, of 100 N.E. Adams, Street, Peoria, Illinois 61629, U.S.A.	High pressure hydraulic base coupling assembly.
44.	102349	2-11-1965	Masayuki Takamori of 5 of No. 281, Hiraoka-cho, Sakai-shi, Osaka-Fu, Japan.	Structure for breaking waves.
45.	103039	15-12-1965	Bridan Ltd, of Warmsworth Hall, Doucaster, Yorkshire, England.	Wire Strands.
46.	104278	13-3-1965	Wright Rain Ltd, of Crowe, Ringwood, Hampshire, England.	Pipe couplings.
47.	104468	22-3-1966	Minnesota Mining & Manufacturing Co, of 3M Canter, St. Paul, Minnesotns, 55101, U.S.A.	Fascimile systems.
48.	104622	29-3-1966	Monsato Co; 880 North Lindbergh, Boulevard, St. Louis, Missouri 63166, U.S.A.	Shaped articles.

1	2	3	4	5
49.	105195	10-5-1966	Caterpillar Tractor Co, 100 N. E. Adams Street, Peoria, Illinois 61629, U.S.A.	Controlling vibrations between articulately Connected vehicle components.
50.	106164	13-7-1966	The Bunker Ramo Corporation, of Oakbrook North, Oakbrook, Illinois, U.S.A.	Modular coaxial articles.
51.	106336	25-7-1966	Fabriks AB Forstund & Co, of Norra Jarngagsgatan 52, Skelleftea, Sweden.	Loading apparatus.
52.	106363	27-7-1965	Trico Folberth Ltd, of Great West Road, Middlesex, England.	Wiper arms.
53.	106482	3-8-1966	Cromwell Paper Co of 180 North Wabash Avenue, Chicago, Illinois, U.S.A.	Reinforcing a continuous web of sheet material.
54.	107832	4-11-1966	Caterpillar Tractor Co of 100 N.E., Adams St, Peoria, Illinois 61629, U.S.A.	Hose.
55.	108389	12-12-1966	Do.	Stabilizing means for earth moving scrapers.
56.	108585	26-12-1966	Do.	Resilient shock absorbing device.
57.	109064	27-1-1967	Do.	Ejector mechanism for loader buckets.
58.	109093	30-1-1967	Kyowa Denki Kagaku Kabushiki Kaisha, No. 711 Sancha Higashi-cho, Hachioji-shi, Tokyo, Japan.	Box for carrying bottles.
59.	109340	1-3-1967	Caterpillar Tractor Co of 100 N. E., Adams St., Peoria, Illinois 61629, U.S.A.	Tractor scrapper combination.
60.	109919	27-3-1967	Tricho Folberth Ltd, of Great West Road, Brentford Middlesex, England.	Windscreen wipers.
61.	109971	30-3-1966	Norris Filters Ltd, of Burrell Road, Haywards Heath, Sussex, England.	Filter units.
62.	109972	30-3-1966	Weaving Research & Textile Commission Agents Ltd, of Ballamoor Castle, Jurby, Isle-of-Man.	Shuttless weaving looms.
63.	110714	18-5-1967	Caterpillar Tractor Co of 100 N. E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Hydraulic follow up for vehicle steering systems.
64.	110750	25-5-1966	Portec (U.K.) Ltd, of 1A Grosvenor Gardens, London S. W. 1, England.	Apparatus for applying liquid to the rails of railway track.
65.	110817	25-5-1967	Caterpillar Tractor Co, of 100 N. E. Adams St, Peoria, Illinois, 61629, U.S.A.	Tractor Scrapper combination.
66.	111022	8-6-1967	Do.	Hydraulic actuating of a pair of steering clutches in the drive train of tractor.
67.	111194	20-4-1972	Nippon Shokubai Kagaku Kogyo Co Ltd, of No 1., 5-chome, Korabashi, Higashi-ku, Osaka, Japan.	Extrusion moulding.
68.	111202	22-6-1967	Caterpillar Tractor Co, of 100 N. E. Adams St, Peoria, Illinois, 61629, U.S.A.	Reinforcement for pneumatic tires.
69.	111749	31-7-1967	Do.	Track link.
70.	112115	26-8-1967	Trutzschler & Co, of Duven Str, 82/92 Rheydt Odenkirchen, West Germany.	Mechanism for conveying of fibres or fibrous materials by means of air pressure.
71.	112282	8-9-1967	Caterpillar Tractor Co, 100 N. E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Hydraulic control system for multi speed transmission.
72.	112283	8-9-1967	Do.	Hydraulic governor.
73.	112503	25-9-1967	Elastic Rail Spike Co Ltd, of 7, Rolls Buildings, Fetter Lane, London E. C. 4, England.	Spring key for fastening a railway rail.
74.	112724	9-10-1967	W. J. Wallace Systems Inc., of 104 South Bataria Avenue, Bataria, Illinois, U.S.A.	Material handling machine.
75.	112893	24-10-1967	Caterpillar Tractor Co, 100 N. E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Push-pull coupling for tractor scrapper units.
76.	113179	14-11-1967	Walter Jeanmaire, of Kollman, Black Fores, Germany.	A device for regulating the feed of flock feeding means to carding engines.
77.	113245	20-11-1967	Trutzschler & Co. of 407 Rheydt-Odenkirchen, West Germany.	Machine for opening cotton bales.

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78.	113286	22-11-1967	Monsato Co., of 800 North Lindbergh Boulevard, St., Louis Missouri 63166, U.S.A.	Forming objects from low viscosity melt.
79.	114327	2-2-1968	Caterpillar Tractor Co., of 100 N. E. Adams St., Peoria, Illinois, 61629, U.S.A.	Powdered articulated crawler vehicles.
80.	114442	8-2-1968	Sumitomo Metal Industries Ltd., of No. 15, 5-chome, Kitahama, Higashi-ku, Osaka-shi, Japan.	Semi continuously casting steel ingots.
81.	115031	18-3-1968	Trutzschler & Co., of 407 Rhedyt, Odenkirchen, West Germany.	Block feeder shafts such as those used with preparatory spinning machines.
82.	115335	8-4-1968	Caterpillar Tractor Co., of 100 N.E., Adams Street, Peoria, Illinois 61629, U.S.A.	Lift cylinder mounting for scrapers.
83.	115346	8-4-1968	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Two way automatic brake adjuster.
84.	115762	11-5-1967	Rolls Royce (Composite Materials) Ltd., Filton House, Bristol England.	Joining units and a honey comb structure obtained thereby.
85.	115889	12-5-1967	Rotary Hoes Ltd., Station Road, Horndon, Essex, England.	Drive transmission gear box.
86.	116118	28-5-1968	Caterpillar Tractor Co., 100 N. E. Adams Street, Peoria, Illinois 61629, U.S.A.	Two piece master track link.
87.	116468	22-6-1968	Mark Hund Aerial Surveys Inc., 345 Pennsylvania Avenue South, Minneapolis, Minnesota, U.S.A.	Doors for recess opening and an aircraft incorporating such doors.
88.	116639	4-7-1967	Wright Rain Ltd., Crowe, Ringwood, Hampshire, England.	Rotary water sprinkler.
89.	116834	17-7-1968	Cardwell Westinghouse Company, 332 South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Hand brakes for rail road cars.
90.	117542	3-9-1968	Caterpillar Tractor Co., 100 N., E. Adams Street, Peoria Illinois 61629, U.S.A.	Articulated chain assembly.
91.	117778	20-9-1968	Abraham Kogan, 35 a Trumpeldor, Avenue, Haifa, Israel.	Apparatus for producing liquid in which heat and/or mass is transferred there to from another liquid.
92.	117836	25-9-1968	Trutzschler & Co., 407, Rhedyt-oden-kirchen, West Germany.	Pneumatic feeding of fibres tubes to spinning mill machinery.
93.	118808	30-11-1968	Caterpillar Tractor Co., 100 N. E. Adams Street, Peoria, Illinois, 61629, U.S.A.	Replaceable ripper tip assembly.
94.	119800	11-2-1969	Cardwell Westinghouse Company, 332, South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Two way automatic brake adjuster.
95.	121197	8-5-1968	Trico Folberth Ltd., Great West Road, Middlesex, England.	Wind screen wiper block assemblies.
96.	122579	1-8-1969	Schlumberger Overseas, S. A. Panama, Kingsway London W. C. 2., England.	System for determining the position of a tool in bore hole.
97.	123761	28-10-1969	Wright Rain Ltd. Crowe, Ringwood, Hampshire, England.	Swing arm for a rotary water sprinkler.
98.	124948	20-1-1970	Trutzschler & Co., 407 Rheyd-Odenkirchen, West Germany.	Apparatus for opening of textile fibre bales.
99.	125447	24-2-1970	E. Looser, 16 Bahnhofstrasse, 8001, Zurich, Switzerland.	Device for burning holes into concrete masonry stone or metal.
100.	125622	7-3-1970	W. M. R. Stewart & Sons (Haklemakers) Ltd., Marine Parade, Dundee, Scotland.	Carding drawing and other machines and method of fixing pins in a matrix.
101.	125691	11-3-1970	Cardwell Westinghouse Company, 332, South Michigan Avenue, Chicago, Illinois 60604, U.S.A.	Scaled non spin hand brake arrangement

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102.	125713	12-3-1970	Snam Progetti S.P.A. of 16 Milano, Italy,	Device for panoramic radiography of welding in metal pipings.
103.	125766	16-3-1970	Adams Incorporated, P.O. Box, 8336, Station A, Greenville, 5 Caroline 29604, U.S.A.	Stop motion device.
104.	126022	1-4-1970	Abraham Kogan, 35a Trumpeldor Avenue, Neve-shanan, Haifa, Israel.	Apparatus for producing a liquid in which heat and for mass is transferred there to from another liquid.
105.	126151	28-4-1969	Trico Folberth Ltd., Great West House Road, Brentford, Middlesex, England.	Windscreen wiper assemblies.
106.	126220	16-4-1970	Roche Ramachand Pardasani, Bhatia Bldg., 87, Ranade Road, Shivaji Park Dadar, Bombay-28.	Locks.
107.	126038	2-4-1970	The Bunker Ramo Corpn. Cakbrook North, Oakbrook, Illinois, U.S.A.	Continuously fabricating electrical contact members and electrical contact members manufacture.
108.	126267	20-4-1970	Societe Pour La Recherche Et Le Development, Technologique S.A., Rue Cesar Soulie, 5, 1260 Nyon, Switzerland.	Continuous molded plastic strip having there on upstanding hook like members.
109.	126347	15-5-1969	Rotary Hoes Ltd., Station Rd., West Horchen, Essex, England.	Keyed Joint.
110.	126415	10-5-1969	Do.	Chain drive assembly.
111.	126430	29-4-1970	Sun Oil Co., P.O. Box No. 2880, City of Dallas, Texas, U.S.A.	Recording pressure in bore holes.
112.	126440	30-4-1970	R.R. Pardasani, Bhatia, Bldg., 87, Ranade Rd., Shivaji Park, Dadar, Bombay-28.	Locks.
113.	126578	10-5-1969	Rotary Hoes Ltd., Station Rd., West Hordon, Essex, England.	Fillage device.
114.	126608	11-5-1970	Minnesota Mining & Manufacturing Co., 3M Center, St. Paul, Minnesota 55101, U.S.A.	Wire splicing apparatus.
115.	126658	13-5-1970	B & J Manufacturing Company, Glenwood, Illinois 60425, U.S.A.	Tire casing conditioning means and method.
116.	126673	14-5-1970	R.R. Pardasani, Bhatia Bldg., 87, Ranade Rd., Shivaji Park, Dadar, Bombay-28.	Locks.
117.	126743	20-5-1970	U.S.S. Engineers and Consultants Inc., 525 William Penn Place, Pittsburgh, Pennsylvania, U.S.A.	Sliding gate closure for bottom pour vessel removable as a unit.
118.	126793	25-5-1970	Envlyrotech Corp., 537 West 6th South, Salt lake city, Utah, U.S.A.	Vacuum filtering.
119.	126877	1-6-1970	Gideon Petrus Schoeman Yssee; "Sanitas", P.O. Noordbrug, Potchefstroom, Transvaal Province, South Africa.	Vehicle head lamp adjusting means.
120.	126901	2-6-1970	Kurt Vogt, Beinwil a. See, Switzerland.	Method and machine for winding a tie means about a relatively rigid object.
121.	126976	3-6-1970	USS Engineers and Consultants Inc., 525 William Penn-Place, Pittsburgh, Pennsylvania, U.S.A.	Slidable gate closure on bottom pour vessels.
122.	127049	12-6-1970	Claverbel-Mecaniver, 166, Chaussee, de la Hulpe, Watermeal-Boitsfort, Belgium.	Article handling apparatus.
123.	127074	15-6-1970	Girling Limited, Kings, Road, Tyseley, Birmingham 11, Warwickshire, England.	Automatic slack adjuster for vehicle brake.
124.	127077	15-6-1970	Dr. Karl F. Nagele Feinmaschinenbau, Stuttgart-Hohenheim, Osumstrasse, 1-15, Federal Republic of Germany.	Continuous stringer for sliding clasp fastener.
125.	127259	25-6-1970	Girling Limited, Kings, Road, Tyseley, Birmingham, England.	Automatic adjuster for shoe drum brake.
126.	127260	25-6-1970	Caterpillar Tractor Co., 100 N.E., Adams St., Peoria, Illinois 61629, U.S.A.	Vehicle having pilot selector valve for simultaneously controlling separate fluid circuits.

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127.	127269	26-6-1970	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1, India.	Twisted waveguides and jigs thereof.
128.	127308	1-7-1969	Rotary Hoes Limited, Station Road, West Hordon, Essex, England.	Blade for rotary cultivators.
129.	127327	30-6-1970	Sulzer Brothers Limited, Winterthur, Switzerland.	Cooling a gas stream.

List No. 2

1.	127373	30-3-1971	Council of Scientific & Industrial Research Rafi Marg, New Delhi-1, India.	Prestressed roofs of floors.
2.	127378	3-7-1970	C.A.V. Ltd. Well Street Birmingham 19 England.	Fuel injection nozzles.
3.	127481	9-7-1970	Koninklijke Emballage Industrie Van Leer N.V. Amsterdamseweg 206, Amstelveen, The Netherlands.	Container.
4.	127551	15-7-1970	Prerovske Strojirny Narodni Podnik, Prerov, Czechoslovakia.	Method of colling granulous materials.
5.	127580	17-7-1970	Imperial Chemical Industries Ltd. Imperial Chemical House, Milbank, London S.W.1., England.	Heat Treatment of yarns and strands.
6.	127694	24-7-1970	Rhone-Progil 6 Rue, Piccini, Paris 16e France.	Protection of man made marine structures.
7.	127706	25-7-1970	Council of Scientific & Industrial Research Rafi Marg, New Delhi-1, India.	A power trowel.
8.	127785	29-7-1970	Calmic Ltd., Crew Hall, Crew, Cheshire, England.	Sanitary apparatus.
9.	127787	29-7-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Braking systems for vehicles.
10.	127841	3-8-1970	Institute Gornoi Mekhaniki I Techichesker, Kibernetiki, Imedni M.M. Fedorova of Donetsk, Teatralny Prospekt. 7, U.S.S.R.	Weighing apparatus associable with belt conveyors.
11.	127863	4-8-1970	Westinghouse Air Brake Company; Pittsburgh, Pennsylvania, U.S.A.	Braking of propulsion system for railway vehicles.
12.	127864	4-8-1970	RCA Corporation, 30 Rockefeller Plaza, New York, N.Y. 10020, U.S.A.	Information recording media.
13.	127872	4-8-1970	Prerovske Strojirny of Prerov, Czechoslovakia.	Heat treatment of lumps and finely granulated material.
14.	127900	18-11-1969	Wright Rain Ltd., Crowe, Ringwood, Hamshire, England.	Rotary water sprinkler.
15.	127948	26-8-1969	Rotary Hoes Ltd., Station Rd., West Hordon, Essex, England.	Rotary cultivator.
16.	127960	10-8-1970	Gould Inc. E-1200, First National Bank Bldg., St. Paul, Minnesota, U.S.A.	Casting battery plates.
17.	128000	12-8-1970	Emhart Corporation, 426 Colt Highway, Farmington, Connecticut, 06032, U.S.A.	Foreign particle inspection machine for liquid filled container such as ampouls.
18.	128092	19-8-1970	Trutzchler & Co, 407 Rheydt Odenkirchen, West Germany.	Setting stack for pneumatically conveyed flakes.
19.	128096	19-8-1970	Vosto Nauchno Issledovatesky I Proektny Institut Dgneupornoi of Sverdlovsk, Ulitsa, Generalskaya 3, U.S.S.R.	Machine for application of powder like material into lining of surface or structure.
20.	128097	19-8-1970	Do.	Compaction device for loose materials or concrete.
21.	128098	19-8-1970	Lening Metallichesky Zavod Smeni, Siezada of Leningrad, Sverdlovskaya, Haberezhnaya 18, U.S.S.R.	Combined electric-hydraulic speed governor for hydraulic turbines.

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22.	128107	20-8-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Brake adjuster.
23.	128149	25-8-1970	Leningradsky etc, of Leningrad, Sverdlovskaya, Nabenezhnaya 18, U.S.S.R.	Feedback arrangement for the speed control system of a hydraulic turbine.
24.	128159	25-10-1970	The British Steel Corporation, 33 Grocevenor Place, London, S.W. 1, England.	Spigot and socket pipe joint.
25.	128172	26-8-1970	William Stephen Schneider, 1765 Roho Street, Glendale, California, U.S.A.	Multiple compartment package.
26.	128198	27-8-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Servo motors especially for vehicles braking systems.
27.	128199	27-8-1970	Cummins Engine Co, Inc., 1000 Fifth Street, Columbus, Indiana, U.S.A.	Turbine casing.
28.	128225	28-8-1970	Mefina S. A., 5 Route de Beaumont, Fribourg, Switzerland.	Sewing machine.
29.	128226	28-8-1970	Angelo John Crisafully, P.O. Box 1051, Glendive, Montana, U.S.A.	Centrifugal pump.
30.	128231	29-8-1970	Girling Ltd., Kings Rd, Tyseley, Birmingham 11, England.	Disc brakes.
31.	128284	2-9-1970	Tsudakoma Industrial Co Ltd., 18-18, Nomachi 5-chome, Kanazawa-shi, Ishikawa-Ken, Japan.	An automatic apparatus for repair work in optimum sequence on maljunctions by grouped operating machine.
32.	128300	5-9-1970	Daimler Benz AG, Stultgard Unterturkheim 700, West Germany.	Cooling water ducting in reciprocating piston of internal combustion engine.
33.	128326	8-9-1970	Girling Ltd, Kings Road, Tyseley, Birmingham 11, England.	Hydraulic braking systems of vehicles.
34.	128343	8-9-1970	Herman Papst, Karl-Maier-Strassel, St. Georgen, Schwar 2-Wald, Federal Republic of Germany.	A hollow body transporter for transporting utility gases.
35.	128447	16-9-1970	Conch International Methane Ltd, Boulevard House, Thompson Boulevard, Nassau N.P. Bahamas.	Storage arrangement for liquified gases.
36.	128448	16-9-1970	Linden Alimak AB, 931 03 Skelleftea 3, Sweden.	Methods for mining in barret rocks ore bodies.
37.	128478	18-9-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Disc brakes.
38.	128493	19-9-1970	Demag A.G. 41, Duisburg Wolf gang-Reuter Platz, Federal Republic of Germany.	Cooling wide continuous metal castings.
39.	128494	19-9-1970	C.A.V. Ltd., Well Street, Birmingham 19, England.	Liquid fuel injection pumping apparatus.
40.	128566	23-9-1970	Shell International Research Maatschappij B.V., Carel van, Bylandtlaan, 30, The Hague, The Netherlands.	Removal of solid particles from an aqueous suspension thereof.
41.	128597	25-9-1970	Caterpillar Tractor Co, 100 N.E., Adams Street, Peoria, Illinois 61629, U.S.A.	Cushioned track for earth working machine.
42.	128683	3-10-1970	Gould Inc, E-1200, First National, Bank Bldg, P.O. Box 3140, St. Paul, Minnesota, U.S.A.	Casting battery plate connecting tugs into a connecting strap.
43.	128693	5-10-1970	The Goodyear Tire & Rubber Co, 1144 East Market Street, Akron, Ohio, U.S.A.	Pneumatic city bus tire.
44.	128697	5-10-1970	Envirotech Corp., 537 West Sixth South, Salt lake city, Utah, U.S.A.	Float apparatus.
45.	128713	6-10-1970	Philip Morris Inc., 100 Park Avenue, New York, New York 10017, U.S.A.	Multiple blade razor.
46.	128792	13-10-1970	Schubest & Satzer Maschinenfabrik A.G., Friedrich-Fberstrasse 84, 8076 Ingolstadt, Germany.	Apparatus for automatic return of thread and to the fibre collecting surface of fibre band spinning machine.
47.	128837	15-10-1970	Vereinigte "Osterreichische Eisen-Und Stahwerke Alpine montane Aktiengesellschaft, 5, Muldenstrasse, Linz, Austria.	Device for continuously measuring the temperature of metal baths.

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48.	128843	16-10-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Vehicle braking system.
49.	128868	17-10-1970	N.V. Bekeast S.A., Leo Bekeast Straat 1B-8550 Zwevegem, Belgium	The thermo mechanical treatment of work piece as well as a reinforcing element for prestressed concrete.
50.	128870	17-10-1970	Bata India Ltd., 30 Shakespeare Sarani, Calcutta-700 017, India.	An automatic sole moulding
51.	128927	21-10-1970	Harbans Lal Malhotra, 12 Ne CIT Road, Calcutta-12, India.	Disposable plastic safety razor.
52.	128928	21-10-1970	Do.	Magazine for ribbon like shaving blade.
53.	128931	21-10-1970	Do.	Safety razor.
54.	128954	22-10-1970	E.P. Smiths, 44a, Rue des Beguines, 1080 Brussels, Belgium.	Constructional elements and or industrial unit for carrying out the process.
55.	128976	24-10-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Brake shoes.
56.	129022	27-10-1970	Raytheon Co, Lexington Country, Middlesex, Commonwealth of Massachusetts, U.S.A.	Heat exchange system.
57.	129023	27-10-1970	Siemens AG, of Berline & Munich, West Germany.	Dividing net works.
58.	129035	24-8-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1, India.	Plastic filter to transmit non improved radiation.
59.	129114	4-11-1970	Universal Oil Products Co., 330, Algonquin Road, Des Plains, Illinois, U. S. A.	Heat transfer tubing for bailing liquids.
60.	129126	6-11-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England	Vehicle brakes.
61.	129130	3- 8-1972	Emhart Corporation, 426 Colt Highway, Farmington, Connecticut, U. S. A.	Article handling.
62.	129133	6-11-1970	N. Cantone, Corso M Prestinari, 162, Vercelli, Italy.	Agricultural machine for feeding soil.
63.	129137	7-11-1970	Borgs Fabriks Aktiebolag Norrkoping, Sweden.	Aircraft barrier net.
64.	129138	7-11-1970	—do—	Aircraft arrester system.
65.	129157	9-11-1970	Siemens AG; Berlin & Munich, West Germany.	Conveyor systems.
66.	129167	10-11-1970	—do—	Control arrangement.
67.	129199	12-11-1970	Feather Industries Ltd., 1-600 Matsumari, Mino City, Japan.	An operating knife.
68.	129226	16-11-1970	Rustom Dhunjishaw Sidwa, Almitra Hoshang Patel and Tehmi Pheroze Sidhwa, 32 Apollo Street, Bombay-1, India.	Building block or slab particularly a decorative building block.
69.	129276	18-11-1970	USS Engineers and Consultants Inc., 525 William Penn Place, Pittsburgh, Pennsylvania, U. S. A.	Apparatus for circulating water in a quencher for exhaust gases in an oxygen steel making process.
70.	129335	21-11-1970	Schlumberger Overseas S. A., Panama. One Kingsway London W. C. 2, England.	Apparatus for investigating earth formation.
71.	129371	24-11-1970	Nippon Kokan etc; 1-3-1-Chome. Otemachi, Chiyoda-ku, Tokyo, Japan.	Reaction apparatus for fluidised beds.
72.	129443	30-11-1970	The Bunker Ramo Corp. Oakbrook North, Oakbrook, Illinois, U. S. A.	Positive locking snap fastner.
73.	129474	3-12-1970	Kabel Und Metallwerke Gutchohgnungshutte Aktiengesellschaft, Postfach 260, Vehrenwalder strasse 271, 3000 Hanover, F. R. G.	Continuous casting mould for the castings of metal.
74.	129482	3-12-1970	Hansen Transmissions International Naamloze Vennootschap of Bocrehlegerstraat, 2520, Belgium.	A set of gear speed reducers.

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75.	129515	5-12-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Hydraulic bracking systems for vehicles.
76.	129516	5-12-1970	Couch International Methane Ltd., Boulevard House, Thompson Boulevard, Nassau, N.P. Bahamas.	Apparatus for assembling ceiling.
77.	129524	7-12-1970	Schubert & Salzer Maschinfabrik AG, Friedrich-Eberstrasse 84, 8076 Ingolstadt, Germany.	Arrangement for supplying sliver to a fine spinning machine.
78.	129580	14-12-1970	EMI Ltd., Blyth Road, Hayes, Middlesex, England.	Injection moulding apparatus for the manufacture of gramophones.
79.	129583	14-12-1970	Envirotech Corp., Salt lake City, Utah, U. S.A.	Steam drying filter cake.
80.	129598	15-12-1970	Braunschweigische Maschinenbauanstalt, Am Alten Bahnhof 5, Braunschweig, West Germany.	Apparatus for comminuting sugar cane.
81.	129633	19- 2-1971	JG Glass Industries Pvt. Ltd, Pimpri, Poona-18.	Vacuum flask.
82.	129645	19- 2-1971	—do—	Improved cup for use with vacuum flask.
83.	129648	17-12-1970	Schlumberger Overseas S. A., Panama, One Kingsway, London W. C. 2, England.	Apparatus for investigating earth formation.
84.	129652	18-12-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Vehicle shoe drum brake.
85.	129653	18-12-1970	Matisa Material Industries S. A., Arc-en-Ciel 2, 1023 Crissier, Switzerland.	Checking and/or rectification of railway track.
86.	129737	26-12-1970	Rameshchandra S. Doshi, Sourashtra Steel Corporation, 22-AD, Industrial Estate, Bhaktinagar, Rajkot-2.	Automatic cigarette lighter.
87.	129768	29-12-1970	Joseph Lucas (Industries) Ltd, Great King Street, Birmingham 19, England.	Fault detecting system for road vehicles.
88.	129770	29-12-1970	The British Oxygen Co. Ltd. Harmersmith House, London, S. W. 6, England.	Vacuum Insulated pipeline.
89.	129782	30-12-1970	Girling Ltd. Kings Road, Tyseley, Birmingham 11, England.	Lock actuators.
90.	129803	3-12-1970	Rameshchandra S. Doshi, Sourashtra, Steel Corporation, 22-AD, Industrial Estate, Bhaktinagar, Rajkot-2.	A dispensing case.
91.	129820	1-1-1970	Hanbans Lal Malhotra Etc, 12 New CIT Rd, Calcutta-12, India.	Shaving blades.
92.	129821	1-1-1970	—do—	Safety sharing apparatus.
93.	129849	6-1-1970	The Dunlop Company Ltd., Dunlop House, Ryder Street, St. Jame's, London S. W. 1, England.	Composite articles and assemblies particularly friction element assemblies.
94.	129852	6-1-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Drum type brake.
95.	129856	6-1-1971	Johnson & Johnson, 501, George Street, New Brunswick, New Jersey, U. S. A.	Conformable adhesive sheet.
96.	129869	7-1-1971	Frank Domenico Rich, Tr, 225, Tokeneke Road, Darien, Connecticut 06820, U. S. A.	Building.
97.	129895	11-11-1970	The Tata Hydro Electric Power Supply Co. Ltd., Etc, of Tata Vidyut Bhavan, Murzban Road, Bombay-1, India.	Drive system for blow room machinery.
98.	129920	13-1-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England	Disc brakes.
99.	129936	14-1-1971	Nippon Kokan etc; 1-3, 1-Chome, Otamachi Chi-yoda-ku, Tokyo, Japan.	Continuously manufacturing cold steel sheet for drawing.
100.	129937	14-1-1971	Izhorasky Zavod, Imeni AA, Zadanova Kolpinov leningradsko, Oblasti. U. S. S. R.	Tooth of the bucket of a digging machine.
101.	130024	21-1-1971	E.I. Du. Pont, Wilmington, Delaware, U. S. A.	Thermometric devices.
102.	130042	25-1-1971	Girling Ltd., Kings Road, Tyseley, Birmingham, 11, Warwickshire, England.	Mechanical coupling for frictional elements of a brake.

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103.	130100	29-1-1971	Dunlop Holdings Ltd., Dunlop House Ryder Street, St. James London S. W. 1, England.	Printers blankets.
104.	130102	29-1-1971	USS Engineers and Consultants Inc, 525 William Penn Place, Pittsburgh, State of Pennsylvania, U. S. A.	Apparatus for automatically supplying oil to a hot strip rolling mill.
105.	130112	29-1-1971	G. V. Pendse, 114/8 Kamatker Bunglow, Murarji Peth, Sholapur-1, India.	Automatic con-changing attachment for ordinary over picking power loom.
106.	130120	29-5-1971	N. Chakravarti, 639 Block 'O' New Alipur, Calcutta-3.	Transmission towers.
107.	130135	2-2-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Disc brakes.
108.	130141	2-2-1971	Nippon Kokan etc. 1-3, 1-chome, Otamachi, Chiyoda-ku, Tokyo, Japan.	Method of blowing such fluid as reducing gas into furnace and boring apparatus for use therein.
109.	130183	4-2-1971	Jawa Narodni etc, Tyne nad Sazaron, Czechoslovakia.	Headlight for motor vehicles.
110.	130197	5-2-1971	Theo Benning Electrodenate Kommandit Gesellschaft, 4290, Bochott, Munsterstrasse, 135-137, West Germany.	Safety lighting device.
111.	130203	6-2-1971	Alexander Baxter Ltd., Broomhill House, Great Brickhill, Bletchley, Buckinghamshire, England.	Vacuum deposition.
112.	130208	8-2-1971	Bekaert-Cockerill Scheldeboord 10, B-2620 Meniksen, Belgium.	Steel wool profile steel wire to be used in this method and steel wool manufacture.
113.	130217	9-2-1971	Borgs Fabriks Aktiebolag, Norrkoping, Sweden.	Operating energy absorbers.
114.	130228	10-2-1971	Conch International Methane Ltd., Boulevard House, Thompson Boulevard, Nassau, N. P. Bahamad.	Welding together sheets to form walls, tanks or like.
115.	130247	12-2-1971	The Goodyear Tire & Rubber Co, 1144 East Market Street, Akron, Ohio, U. S. A.	Inflatable shelter.
116.	130279	16-2-1971	USS Engineers and Consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania, U. S. A.	Spray nozzle.
117.	130311	17-2-1971	The Bunker Ramo Corporation, Oakbrook North, Oakbrook, Illinois, U. S. A.	Pin & socket removal tool.
118.	130324	19-2-1971	Intermenea (Proprietary) Ltd, 101 Medical Towers, Jeppe, Street, Johannesburg, Transvaal Province, South Africa.	Shearing or cutting machines.
119.	130333	20-2-1971	—do—	Shearing machine.
120.	130335	20-2-1971	Mejina S. A.; 5, Route de Beaumont, Fribourg, Switzerland.	Sewing machine pressure foot.
121.	130348	24-2-1971	Inland Steel Company, 30 West Monroe Street, Chicago, Illinois, 60603, U. S. A.	Rimming ingot containing a fine precipitating ingredients.
122.	130361	25-2-1971	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S. W. 1, England.	Cooling extruded tubing.
123.	130365	25-2-1971	Westinghouse Electric Corp, Pittsburgh, Pennsylvania, U. S. A.	A self lubricating bearing assembly.
124.	130372	25-2-1971	Dr. O. A. Becker, 59 Robert Koch Strasse, 66 Searbrucker, Federal Republic of Germany.	Resistance welding of metal sheets.
125.	130404	27-2-1971	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Disc brakes.
126.	130431	2-3-1971	Lewis Woolf Griptight Ltd., 144, Oakfield Road, Selby Oak, Birmingham, England.	Infant feeding bottle.
127.	130443	31-8-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	A domestic iron removal unit.

1	2	3	4	5
128.	130470	4- 3-1971	Combustion Engg. 1000 Prospect Hill Road, Windsor, Delawar, U. S. A.	Fuel burner safety control circuit capable of distinguishing between power interruptions and emergency operation conditions.
129.	130529	11- 3-1971	Siemens A.G., Berlin & Munich, West Germany.	Vector analyser.
130.	130539	11- 3-1971	Cardwell Westinghouse Co, 332 South Michigan Avenue, Chicago, Illinois 60604, U. S. A.	Hand brake for rail road cars.
131.	130560	16- 3-1971	Aquavoir Holdings Co, Apartado 850, Panama 1, Republic of Panama.	Unit for collecting rain water.
132.	130565	16- 3-1971	Leslie Gordom Hudson; Little Copped Hall, Farningham, Essex, England.	A runner for drawer support unit.
133.	130574	16- 3-1971	OY Tampella AB, Tampere, Finland	Unlocking a tensioning member in gems resilient brake.
134.	130592	16- 3-1971	Knorr Bremsen GmbH, 8 Munich 13, Moosacher Strasse 80, Federal Republic of Germany	Compressed air braking equipment for rail vehicles.
135.	130602	17- 3-1971	Binks Bullows Ltd., Pelsall Rd, Brownhills, Staffordshire, WS 8, 7 HW, England.	A nozzle for use in spray gun.
136.	130608	17- 3-1971	Bekum Maschin etc, 1 Berlin 42 Lankwitzerstrasse, 14-15, Federal Republic of Germany.	Blow moulding apparatus.
137.	130624	18- 3-1971	C. A. V. Ltd., Well Street, Birmingham 19, England.	Liquid fuel pumping apparatus.
138.	130630	18- 3-1971	IGOR Yakovlevich, Gorodetsky, Leningradske, Strasse 112/1 KV 663, Moscow, U. S. S. R.	Mass transfer column type apparatus.
139.	130633	19- 3-1971	Eric Michael Roth, R. R. I. Unionville, Ontario, Canada.	Brush.
140.	130692	23- 3-1971	Novo Metal-Zavod, Novosibirsk, Ulitsa, Stationnaya, 28 U.S.S.R.	Automatic thickness control of rolled strips.
141.	130693	23- 3-1971	Leningradsky Metall; Zavodiment, XXII Siezda XPSS, Leningrad, Sverdlovskaya, Naberzynyay 18, U.S.S.R.	Form tool & method of grinding its flank.
142.	130694	23- 3-1971	Sholom Yakovlevich, Rubinshtein of Minsk Ulitsa Kozlova 52, KV 32, U. S. S. R.	Exhaust noise muffler of I-C engine.
143.	130695	23- 3-1971	General Electric Co, 1 River Road, Schenectady 5, New York, U. S. A.	Rotating heater roll temperature sensing apparatus.
144.	130721	25- 3-1971	G. K. N. Birfield Transmission Ltd. Chester Road, Erdington, Birmingham 24, England.	Constant velocity universal joint.
145.	130723	25- 3-1971	Dunlop Holdings Ltd. Dunlop House, Ryder Street, St. James's, London, S. W. 1, England.	Pneumatic tire and wheel rim assembly.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

131472.—President of India.

131473.—President of India.

RENEWAL FEES PAID

78484 79223 79916 80352 81060 84052 84726 84869 85090
85264 85290 85335 85628 86202 87080 90477 90478 90668
90673 90733 90780 90821 90877 90878 90889 90890 91104
91229 91298 92173 93336 94053 96327 96355 96449 96477
96483 96490 96582 96780 96781 97017 97081 97155 97387
97405 97587 97828 97829 98355 99899 100953 102338
102353 102659 102712 102754 102887 102943 102977 107028
107290 107455 107762 107763 107796 107883 107978 108010
108032 108033 108042 108062 108074 108144 108651 112937

113026 113027 113028 113048 113120 113121 113123 113176
113211 113256 113306 113329 113339 113492 113567 113568
113572 113652 113861 115623 115935 116056 118275 118338
118375 118389 118430 118431 118449 118469 118491 118493
118632 118680 118704 118750 118796 118811 118833 118867
119003 119070 119180 119651 122884 123683 123852 123858
123950 123991 124038 124061 124065 124235 124413 124584
124620 124802 125075 125353 127654 129049 129071 129103
129113 129120 129157 129167 129184 129199 129211 129263
129274 129275 129289 129316 129334 129336 129358 129482
129487 129580 129600 129712 132141 133206 133369 133432
133441 133493 133508 133530 133551 133599 133609 133698
133727 133785 133786 133787 133972 134060 134150 135355
135682 135731 136101 136307 136585 136630 136890 136814
136966 136971 137167 137785 137834 137938 138027 138095
138259 138263 138789 138793 138817 138966 139011 139073
139089

CESSATION OF PATENTS

125920 125921 125922 126050 126081 126138 126284 126827
132479 137519 137620,

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 114343 dated the 7th June, 1967 made by Newell Associates, Inc. subsequently known as American Videonetics Corporation on the 12th May, 1976 and notified in the Gazette of India, Part III, Section 2 dated the 17th July, 1976 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 114578 dated the 17th February 1968 made by Newell Associates, Inc. subsequently known as American Videonetics Corporation on the 13th February 1976 and notified in the Gazette of India, Part III, Section 2 dated the 17th July, 1976 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 116441 dated the 20th June, 1968 made by Newell Associates, Inc. subsequently known as American Videonetics Corporation on the 12th May, 1976 and notified in the Gazette of India, Part III, Section 2 dated the 17th July, 1976 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 132429 dated the 9th August, 1971 made by Itek Corporation on the 15th June, 1976 and notified in the Gazette of India, Part III, Section 2 dated the 31st July, 1976 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 144326. Indian Oxygen Limited, a Company incorporated under the Indian Companies Act, at Oxygen House, p-34, Taratala Road, Calcutta-700053, West Bengal, India. "Plasma control unit". May 25, 1976.

Class 3. Nos. 144033 & 144034. Simla Chemicals Private Limited, Rehman Street, Chandni Chowk, Delhi-110006, (India), An Indian Company. "A bottle". March 3, 1976.

Class 3. No. 144144. S. Raj Trading Corporation, of 243, Nagdevi Street, Bombay-3. State of Maharashtra, India, a sole proprietary concern. "A container with a lid". April 7, 1976.

Class 3. No. 144216. Starlite Corporation, 134 A/B, Government Industrial Estate, Kandivlee (West), Bombay-400067, Maharashtra, an Indian Partnership Firm. "Table lamp". May 3, 1976.

Class 3. Nos. 144251 to 144258. Kantilal Javerchand Ranavat; 276-Frere Road, Bombay-400001, Maharashtra State, India, Indian Nationality, "Attachment piece for toy watches strap". May 11, 1976.

Class 3. No. 144312. Madan Lal Aggarwal, Surinder Kumar Aggarwal and Davinder Kumar Aggarwal, trading as Aggarwal Engineering Company, Kapurthala-144601, Punjab, India, All Indian Nationals "Vice". May 22, 1976.

Class 3. No. 144327. Wiltshire Cutlery Company Proprietary Limited, a Company incorporated under the laws of the State of Victoria, of 36-38, Albert Road, South Melbourne, in the State of Victoria, Commonwealth of Australia, "A knife scabbard or housing". December 4, 1975 (Australia).

Class 3. No. 144336. Arvind Plastic Industries, 17, Ganko Industrial Estate, Ramchandra Lane, Majad (West), Bombay-400064, Maharashtra State, India, an Indian Partnership Firm. "Brush". May 29, 1976.

Class 3. No. 144344. Murphy India Limited, an Indian Company existing under the Companies Act, (I of 1956), at 29, Mama Parmanand Marg, Bombay-400004, State of Maharashtra, India, "A radio-cum-transistor case". May 31, 1976.

Class 4. No. 144035. Simla Chemicals Private Limited, Rehman Street, Chandni Chowk, Delhi-110006, (India) An Indian Company. "A bottle". March 3, 1976.

Class 4. No. 144204. J. M. A. Industries Limited, 8-Padmini Enclave, Hauz Khas, New Delhi-110016, An Indian Company. "Assymetrical lenses". April 30, 1976.

Class 4. Nos. 144205 & 144206. J. M. A. Industries Limited. An Indian Company, 8-Padmini Enclave, Hauz Khas, New Delhi-110016. "Symmetrical lenses". April 30, 1976.

Class 4. Nos. 144208 to 144210. J. M. A. Industries Limited. An Indian Company, 8-Padmini Enclave, Hauz Khas, New Delhi-110016. "Assymetrical lenses". April 30, 1976.

Class 4. No. 144297. Real Drinks, Rau Antao, Noronha, P.O. Box 93, Panjim-GOA, Maharashtra, India, an Indian Partnership Firm. "Bottle". May 17, 1976.

Class 4. No. 144342. Shamshad Ali, trading as HY FY GLASS INDUSTRIES, 6438, Gali Ishwari Prasad, Bara Hindu Rao, Delhi-110006, India, Indian National. "Mirror frame". May 31, 1976.

CANCELLATION OF THE REGISTRATION OF DESIGNS

(Section 51-A)

An application made by Kwality Ice Creams (Cal) Private Limited for cancellation of the registration of Design No. 143580 in the name of Duli Chand Kheria and Others, trading as Farinhi Ice Cream.

S. VEDARAMAN,
Controller-General of Patents,
Designs and Trade Marks.

